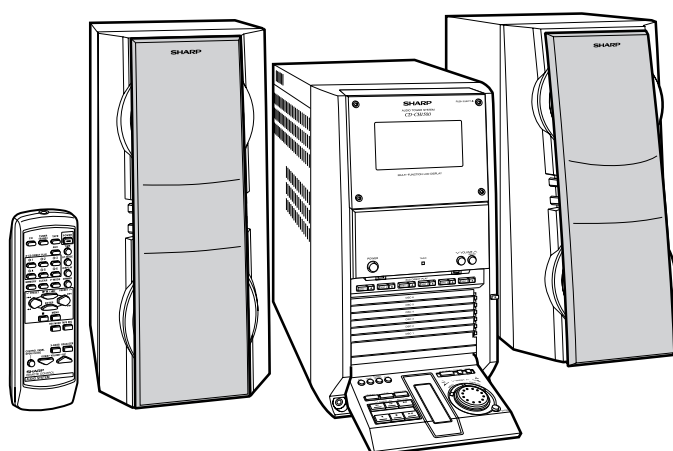


# SHARP SERVICE MANUAL

No. S1107CDCH1500



## AUDIO TOWER SYSTEM

## MODEL CD-CH1500

CD-CH1500 Audio Tower System consisting of CD-CH1500 (main unit) and CP-RW5500 (speaker system).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.



The Service Manual is for the CD-CH1500, which is a minor-modification model of the CD-CH1000. This manual, therefore, describes only the changed points from the service manual. Please refer to the CD-CH1000 service manual (S8070CDDCD1000) together with this manual.

### CD-CH1000

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

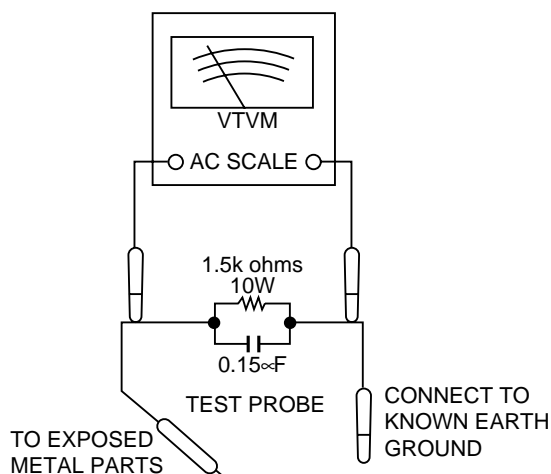
## IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

### BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
  - \* Plug the AC line cord directly into a 120 volt AC outlet.
  - \* Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
  - \* Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
  - \* Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All tests must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

## SPECIFICATIONS

### CD-CH1500

#### General

Power source	AC 120 V, 60 Hz
Power consumption	175 W
Dimensions	Width: 7-7/8" (200 mm) Height: 13-7/8" (352 mm) Depth: 14-7/8" (377 mm)
Weight	21.4 lbs. (9.7 kg)

#### Amplifier

Output power	100 watts minimum RMS per channel into 6 ohms from 60 Hz to 20 kHz, 10 % total harmonic distortion Subwoofer: 60 W/ch (60 Hz - 200 Hz, 6 ohms, 10 % T.H.D.) Main: 40 W/ch (200 Hz - 20 kHz, 6 ohms, 10 % T.H.D.)
Output terminals	Speakers: 6 ohms Headphones: 16-50 ohms (recommended; 32 ohms)
Input terminals	Auxiliary: 500 mV/47 kohms

#### CD player

Type	6-disc multi-play compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

#### Cassette deck

Frequency response	50-14,000 Hz (Normal tape)
Signal/noise ratio	50 dB (recording/playback)
Wow and flutter	0.3 % (WRMS)

#### Tuner

Frequency range	FM: 87.5-108.0 MHz AM: 530-1,720 kHz
-----------------	---

### CP-RW5500

Type	3-way type speaker system 2" (5 cm) Tweeter 5-1/4" (13 cm) Woofer 5-1/4" (13 cm) Subwoofer
Maximum input power (Total)	200 W
Rated input power (Total)	100 W
Impedance	6 ohms
Dimensions	Width: 7-5/16" (185 mm) Height: 16-7/16" (417 mm) Depth: 12-1/4" (311 mm)
Weight	10.6 lbs. (4.8 kg)/each

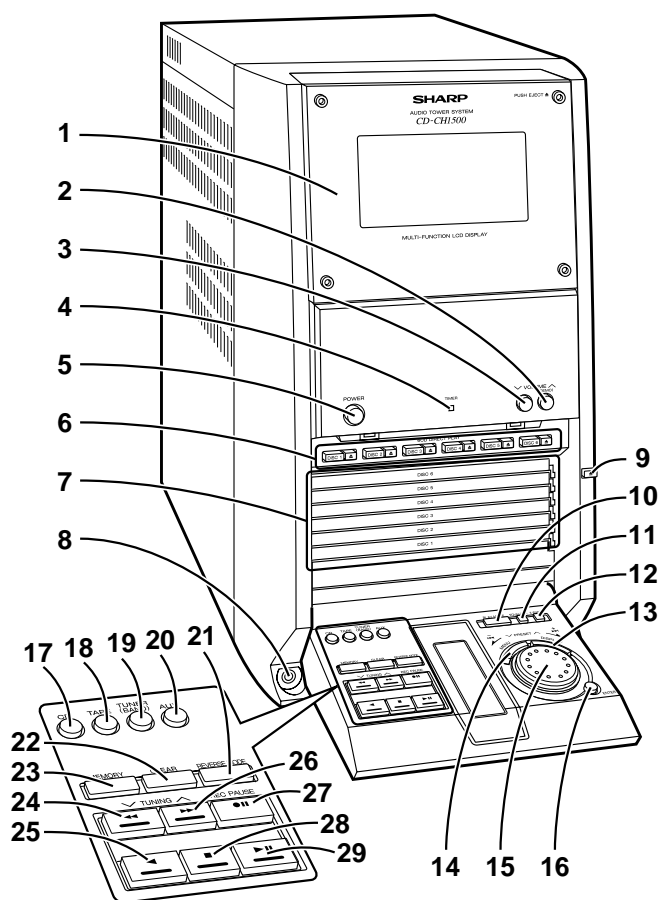
Specifications for this model are subject to change without prior notice.

## NAMES OF PARTS

### CD-CH1500

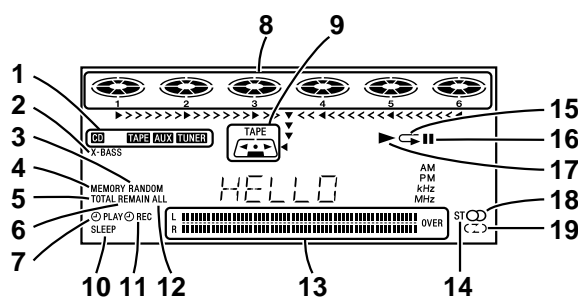
#### ■ Front panel

1. Cassette Compartment
2. Volume Up/Demo Button
3. Volume Down Button
4. Timer Set Indicator
5. Power Button
6. CD Direct Play Buttons (with Indicator)/  
CD Eject Buttons
7. Disc Trays
8. Headphone Jack
9. Control Panel Open/Close Button
10. CD Play Mode Select Button
11. Equalizer Mode Select Button
12. Extra Bass Button
13. Display Button
14. Menu Button
15. Jog Dial
16. Enter Button
17. CD Button
18. Tape Button
19. Tuner (Band) Button
20. Auxiliary Button
21. Tape Reverse Mode Select Button
22. Clear Button
23. Memory Button
24. CD Fast Reverse, Tape Fast Wind or  
Tuning Down Button (with Indicator)
25. Tape Reverse Play Button (with Indicator)
26. CD Fast Forward, Tape Fast Wind or  
Tuning Up Button (with Indicator)
27. Tape Record Pause Button
28. Stop Button (with Indicator)
29. CD Play or Pause, Tape Forward Play Button  
(with Indicator)



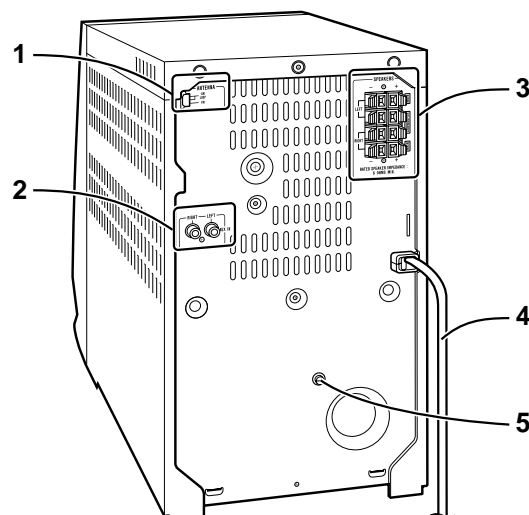
#### ■ Multi-function LCD display

1. Function Indicator
2. Extra Bass Indicator
3. Random Play Indicator
4. Memory Indicator
5. Total Indicator
6. Remain Indicator
7. Timer Play Indicator
8. CD Indicators
9. Cassette Indicator
10. Sleep Indicator
11. Timer Recording Indicator
12. All Disc Play Indicator
13. Level Meter
14. FM Stereo Mode Indicator
15. CD Repeat Indicator
16. CD Pause Indicator
17. CD Play Indicator
18. FM Stereo Indicator
19. Tape Reverse Mode Indicator



#### ■ Rear panel

1. FM/AM Antenna Jack
2. Auxiliary Input Jacks
3. Speaker Terminals
4. AC Power Cord
5. Transport Screw

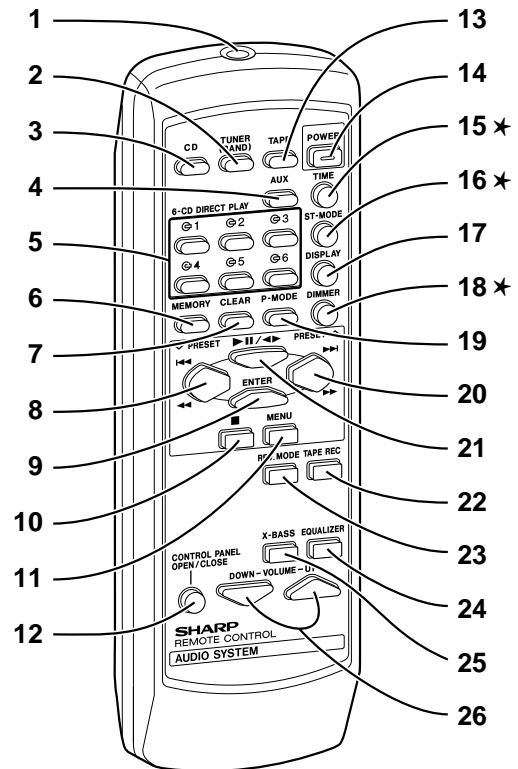


## CD-CH1500

### CD-CH1500

#### ■ Remote control

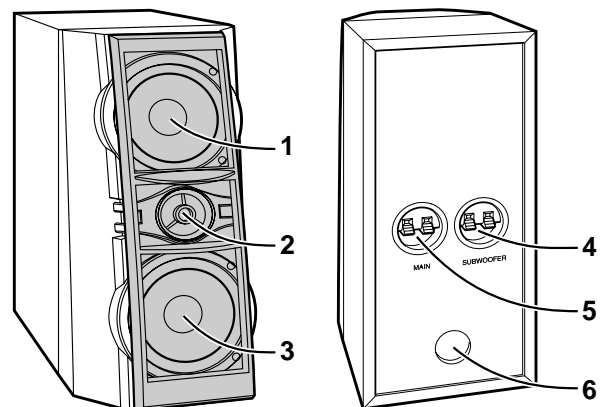
1. Remote Control Transmitter
2. Tuner (Band) Button
3. CD Button
4. Auxiliary Button
5. CD Direct Play Buttons
6. Memory Button
7. Clear Button
8. CD Track Down or Fast Reverse, Tape Fast Wind, Tuner Preset Down Button
9. Enter Button
10. Stop Button
11. Menu Button
12. Control Panel Open/Close Button
13. Tape Button
14. Power Button
15. Time Button
16. FM Stereo Mode Button
17. Display Button
18. Dimmer Button
19. CD Play Mode Select Button
20. CD Track Up or Fast Forward, Tape Fast Wind, Tuner Preset Up Button
21. CD Play or Pause, Tape Play Button
22. Tape Record Pause Button
23. Tape Reverse Mode Select Button
24. Equalizer Mode Select Button
25. Extra Bass Button
26. Volume Up or Down Buttons



Buttons with “\*” mark in the illustration can be operated on the remote control only.  
Other buttons can be operated both on the main unit and the remote control.

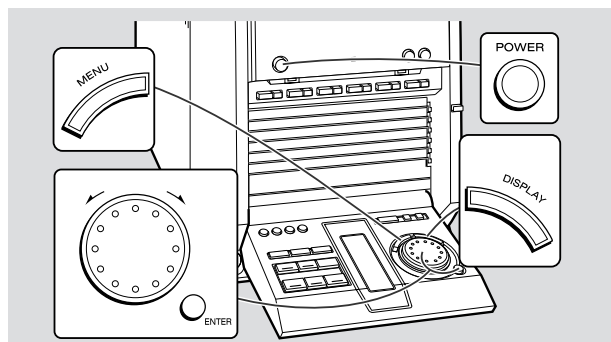
### CP-RW5500

1. Woofer
2. Tweeter
3. Subwoofer
4. Subwoofer Terminals
5. Main Speaker Terminals
6. Bass Reflex Duct



# OPERATION MANUAL

## Setting the Clock



In this example, the clock is set for the 12-hour (AM)12:00 display.

**1 Press the POWER button to turn the power on.**

**2 Press the MENU button.**

**3 Turn the jog dial to select "CLOCK" and within 10 seconds, press the ENTER button.**



**4 Turn the jog dial to select the 12-hour or 24-hour display and within 2 minutes, press the ENTER button.**



"AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)  
 "AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)  
 "0:00" → The 24-hour display will appear. (0:00 - 23:59)

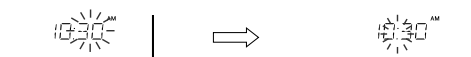
Note that this can only be set when the unit is first installed or it has been reset.  
 [Refer to "Clearing all the memory (reset)".]

**5 Turn the jog dial to adjust the hour and within 2 minutes, press the ENTER button.**



When the 12-hour display is selected, "AM" will change automatically to "PM".

**6 Turn the jog dial to adjust the minutes and within 2 minutes, press the ENTER button.**



- The hour will not advance even if minutes advance from "59" to "00".
- The clock starts from "0" second. (Seconds are not displayed.)  
 The time display will disappear after a few seconds.

**To confirm the time display:**

**[When the unit is in the stand-by mode]**

Press the DISPLAY button on the remote control.  
 The time display will appear for about 3 seconds.

**[When the power is on]**

Press the MENU button.  
 The time display will appear for about 10 seconds.

**Note:**

"CLOCK" will appear or time will flash at the push of the DISPLAY button when the AC power supply is restored after a power failure or unplugging the unit.  
 Reset the clock as follows.

**To reset the clock:**

**[When time is flashing]**

1. Press the POWER button.
2. Press the MENU button.
3. Press the ENTER button.
4. Perform "Setting the Clock" from step 5.

**[When "CLOCK" appears]**

Perform "Setting the Clock" from the beginning.

**To change the 24-hour or 12-hour display:**

1. Clear all the programmed contents.  
 [Refer to "Clearing all the memory (reset)".]
2. Perform "Setting the Clock" from the beginning.

## Troubleshooting Chart

Many potential "problems" can be resolved by the owner without calling a service technician.

If something is wrong with this product, check the following before calling your authorized SHARP dealer or service center.

### General

Symptom	Possible cause
• The clock is not on time.	• Did a power failure occur? Reset the clock.
• When a button is pressed, the unit does not respond.	• Set this unit to the power stand-by mode and then turn it back on. • If the unit still malfunctions, reset it.
• No sound is heard.	• Is the volume level set to "0"? • Are the headphones connected? • Are the speaker wires disconnected?

### CD player

Symptom	Possible cause
• Playback does not start.	• Is the disc loaded upside-down?
• Playback stops in the middle or is not performed properly.	• Does the disc satisfy the standards? • Is the disc distorted or scratched?
• Playback sounds are skipped, or stopped in the middle of a track.	• Is the unit located near excessive vibrations? • Is the disc very dirty? • Has condensation formed inside the unit?

### Cassette deck

Symptom	Possible cause
• Cannot record.	• Is the erase-protection tab removed?
• Cannot record tracks with proper sound quality.	• Is it a normal tape? (You cannot record on a metal or CrO <sub>2</sub> tape.)
• Cannot erase completely.	
• Sound skipping.	• Is there any slack? Is the tape stretched?
• Cannot hear treble.	• Are the capstan, pinch rollers, or heads dirty?
• Sound fluctuation.	
• Cannot remove the tape.	• If a power failure occurs during playback, the heads remain engaged with the tape. Do not open the compartment forcibly. Wait until electricity resumes.

### Tuner

Symptom	Possible cause
• Radio makes unusual noise consecutively.	• Is the unit placed near the TV or computer? • Is the FM/AM loop antenna placed properly? Move the AC power cord away from the antenna if located near.

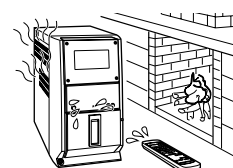
### Remote control

Symptom	Possible cause
• The remote control does not operate.	• Is the AC power cord of the unit plugged in? • Is the battery polarity correct? • Are the batteries dead? • Is the distance or angle incorrect? • Does the remote control sensor receive strong light?

### Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, tape heads, etc.) or on the transmitter on the remote control.

Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.



## Troubleshooting Chart

### ■ If trouble occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

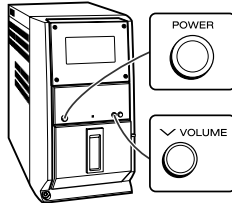
**If such a problem occurs, do the following:**

1. Set the unit to the stand-by mode and turn the power on again.
2. If the unit is not restored in the previous operation, unplug and plug in the unit, and then turn the power on.

### ■ Clearing all the memory (reset)

If neither operation above restores the unit, clear all the memory by following the instructions below.

1. Press the **POWER** button to enter the power stand-by mode.
2. While pressing down the **VOLUME**  $\vee$  button, press the **POWER** button until "ALL CLEAR" appears.



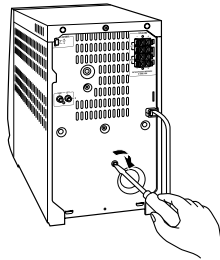
**Caution:**

This operation will erase all data stored in memory including clock, timer settings, tuner preset and CD program.

### ■ Before transporting the unit

On the back of this unit is equipped with a transport safety screw in order to prevent damage during transportation.

1. Press the **POWER** button to turn the power on.
2. Remove all discs from the unit, close the disc tray.  
"CD NO DISC" is displayed.
3. Press the **POWER** button to enter the stand-by mode.  
"GOOD-BYE" is displayed.
4. When "GOOD-BYE" disappears, unplug the AC power cord from the AC outlet.
5. Insert the transport safety screw into the back of the unit and tighten it with a flat-blade screwdriver.



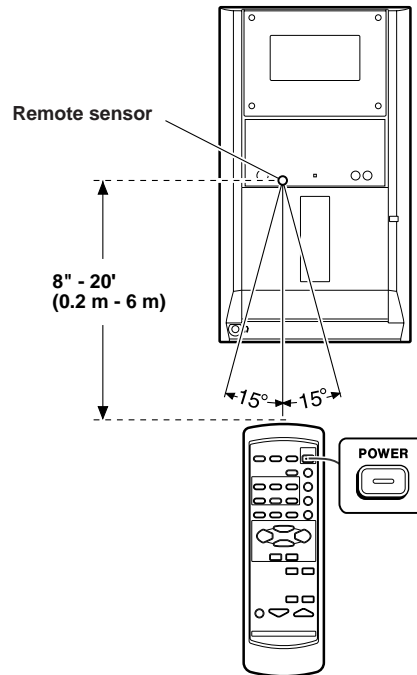
## Remote Control

### ■ Test of the remote control

Face the remote control directly to the remote sensor on the unit.

**The remote control can be used within the range shown below:**

Press the **POWER** button. Does the power turn on? Now, you can enjoy the music.

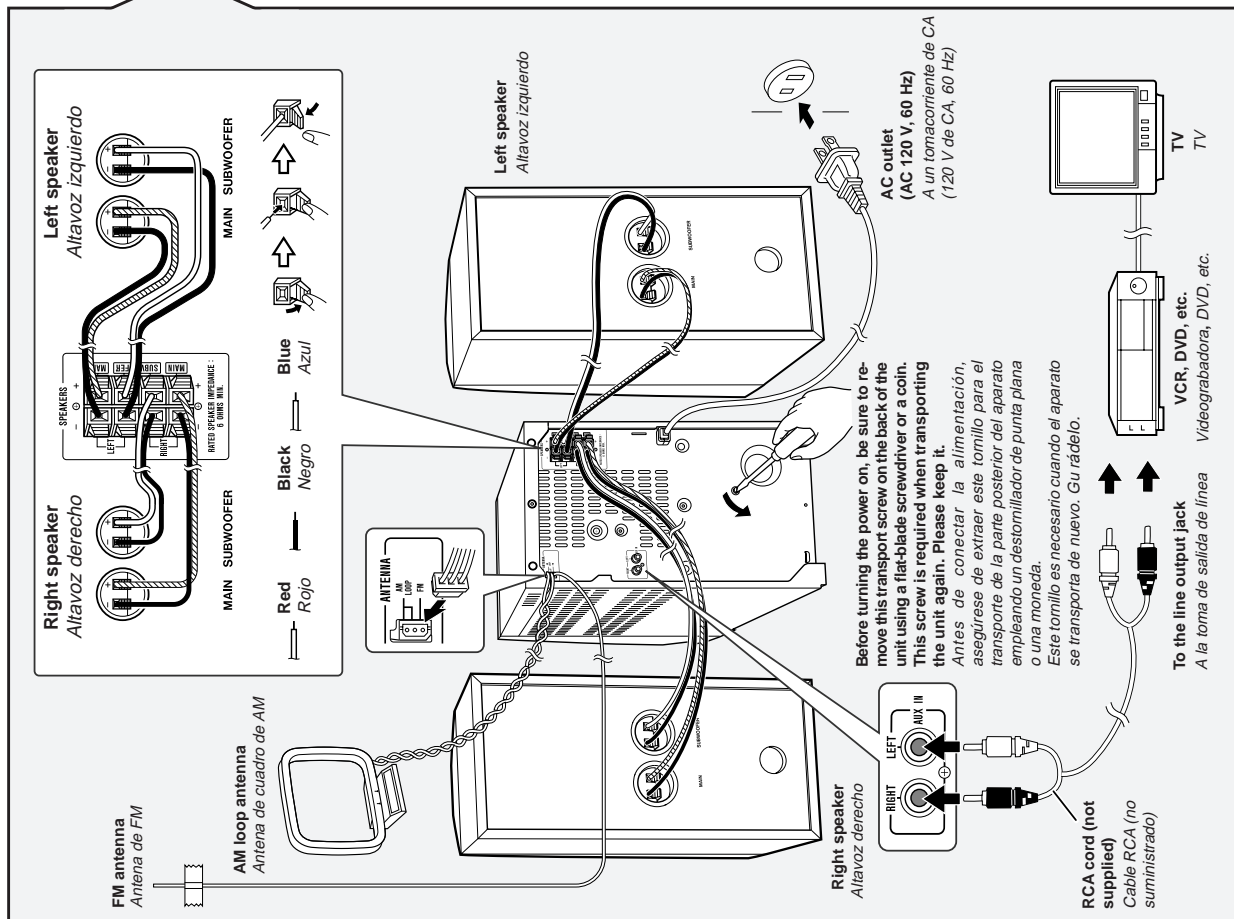


**Notes concerning use:**

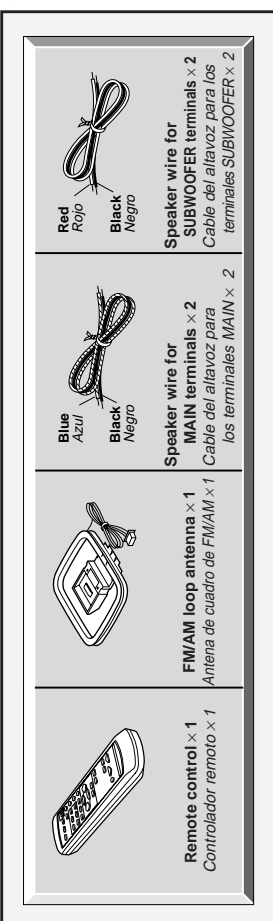
- Replace the batteries if the operating distance is reduced or if the operation becomes erratic.
- Periodically clean the transmitter on the remote control and the sensor on the stereo system with a soft cloth.
- Exposing the sensor on the stereo system to strong light may interfere with operation. Change the lighting or the direction of the stereo system.
- Keep the remote control away from moisture, heat, shock, and vibrations.



## 3 System Connections Conexiones del sistema



## 1 Accessories Accesorios

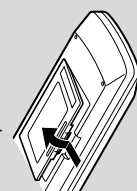


## 2 Battery Installation of the Remote Control Instalación de las pilas del controlador remoto

Use 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).  
Use dos pilas del tamaño "AA" (UM/SUM-3, R6, HP-7 o equivalentes).

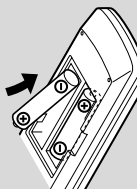
### 1 Remove the battery cover.

Extraiga la cubierta de las pilas.



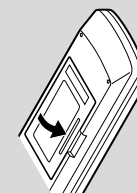
### 2 Insert the batteries as shown.

Inserte las pilas como se muestra.



### 3 Replace the cover.

Vuelva a colocar la cubierta.

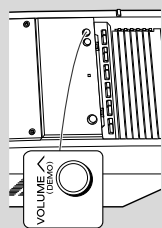


## 4 Turning on Your System Conexión de la alimentación de su sistema

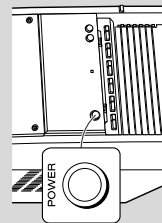
The first time the unit is plugged, the unit will enter the demonstration mode. You will see words scroll.

Quando se enchufe por primera vez el aparato, se establecerá en el modo de demostración. Verá un desplazamiento de palabras.

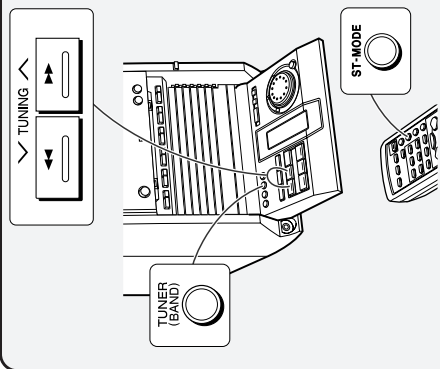
- 1 Press the DEMO button to cancel the demonstration mode.  
Pulse el botón DEMO para cancelar el modo de demostración.



- 2 Press the POWER button to turn the power on.  
Pulse el botón POWER para conectar la alimentación.



## Listening to the Radio Audición de la radio



- 1 Press the TUNER (BAND) button repeatedly to select the desired frequency band (FM or AM).  
Pulse repetidamente el botón TUNER (BAND) para seleccionar la banda de frecuencia deseada (FM o AM).

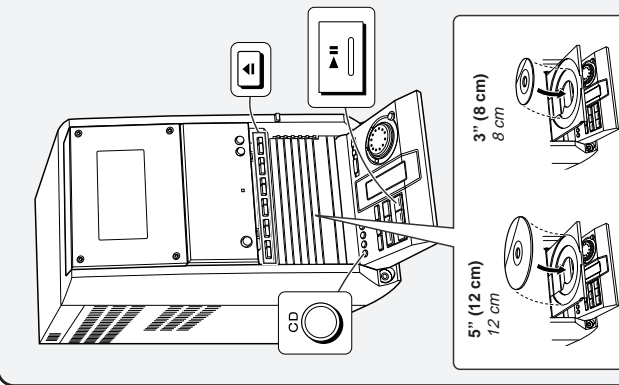
- 2 Press the TUNING (< or >) button to tune in to the desired station.  
Pulse el botón TUNING (< o >) para sintonizar la emisora deseada.

To receive an FM stereo transmission:  
Press the ST-MODE button on the remote control to display the "ST" indicator.

Para recibir una transmisión de FM en estéreo, pulse el botón ST-MODE del controlador remoto para que se encienda el indicador "ST".



## Listening to a CD (CDs) Audición de un disco CD (discos CD)

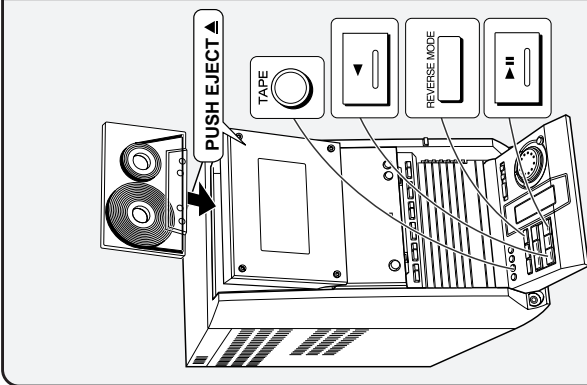


- 1 Press the CD button.  
Pulse el botón CD.
- 2 Press the DISC 1 button to open the disc tray 1.  
Pulse el botón DISC 1 para abrir la bandeja del disco 1.
- 3 Place a CD on the disc tray 1, label side up.  
Coloque un disco compacto en la bandeja del disco 1, con el lado de la etiqueta arriba.
- 4 Press the DISC 1 button to close the disc tray 1.  
Pulse el botón DISC 1 para cerrar la bandeja del disco 1.
- 5 You can place discs on the trays 2 - 6 by following steps 2 - 4.  
Podrá colocar discos en las bandejas 2 - 6 según los pasos 2 - 4.
- 6 Press the play button to start playback.  
Pulse el botón play para iniciar la reproducción.

5" (12 cm)  
12 cm

3" (8 cm)  
8 cm

## Listening to a Cassette Tape Audición de un cassette



- 1 Press the TAPE button.  
Pulse el botón TAPE.
- 2 Open the cassette door by pushing the area marked "PUSH EJECT".  
Abra la puerta del cassette pulsando la parte marcada "PUSH EJECT".
- 3 Load a cassette into the compartment with side A facing you.  
Inserte un cassette en el compartimiento del cassette.
- 4 Press the REVERSE MODE button to choose one side or both sides.  
Pulse el botón REVERSE MODE para seleccionar una cara o ambas caras.  
... To listen to both sides.  
Para escuchar ambas caras.  
... For repeat play of both sides.  
Para repetir ambas caras.  
... To listen to one side.  
Para escuchar una cara.
- 5 Press the play button to listen to side A, or the stop button to listen to side B.  
Pulse el botón play para escuchar la cara A, o el botón stop para la cara B.



1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x5	9-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x8	9-1
3	Rear Panel	1. Screw ..... (C1) x3 2. Screw ..... (C2) x6	9-2
4	Front Panel	1. Flat Cable ..... (D1) x1 2. Screw ..... (D2) x5 3. Socket ..... (D3) x6	9-2
5	Sub Trans PWB	1. Screw ..... (E1) x3 2. Socket ..... (E2) x5	9-2
6	Main PWB	1. Flat Cable ..... (F1) x1 2. Screw ..... (F2) x2 3. Screw ..... (F3) x1 4. Socket ..... (F4) x3	9-2
7	Power PWB/ Speaker PWB	1. Socket ..... (G1) x1 2. Screw ..... (G2) x2	10-1
8	Tape Mechanism	1. Open the cassette holder. 2. Screw ..... (H1) x4	10-2
9	CD Switch PWB	1. Socket ..... (J1) x1 2. Screw ..... (J2) x6 3. Hook ..... (J3) x2	10-2
10	Switch PWB	1. Screw ..... (K1) x1 2. Hook ..... (K2) x1	10-2
11	Headphones PWB	1. Screw ..... (L1) x1 2. Bracket ..... (L2) x1	10-2
12	CD Changer Door Panel/Control Panel	1. Screw ..... (M1) x3 2. Screw ..... (M2) x2	10-2
13	Motor PWB	1. Solder ..... (P1) x2	10-2
14	CD Changer Door Panel	1. Screw ..... (Q1) x4	10-3
15	Control Panel	1. Screw ..... (R1) x6	10-3
16	Control PWB	1. Screw ..... (S1) x5 2. Socket ..... (S2) x1	10-4
17	Jog PWB	1. Knob ..... (T1) x1 2. Screw ..... (T2) x5	10-4
18	LED B PWB	1. Screw ..... (U1) x3	10-4
19	Cassette Holder Cover	1. Open the cassette holder cover. 2. Screw ..... (V1) x4 3. Display Panel .... (V2) x1 4. Hook ..... (V3) x4	10-5
20	Display PWB/ LED A PWB	1. Screw ..... (W1) x4 2. Hook ..... (W2) x2	10-6

[illegible][illegible]

### Figure 9-2

# CD-CH1500

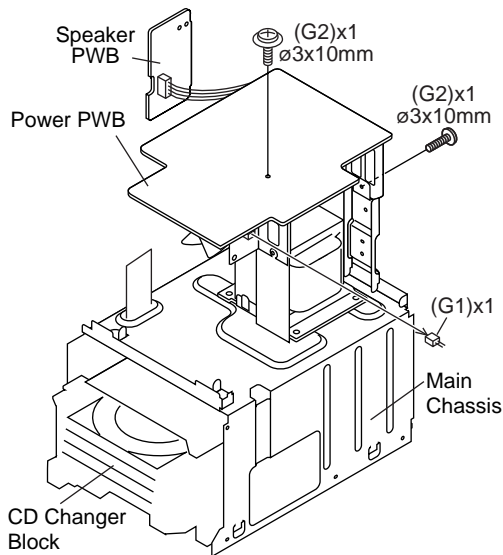


Figure 10-1

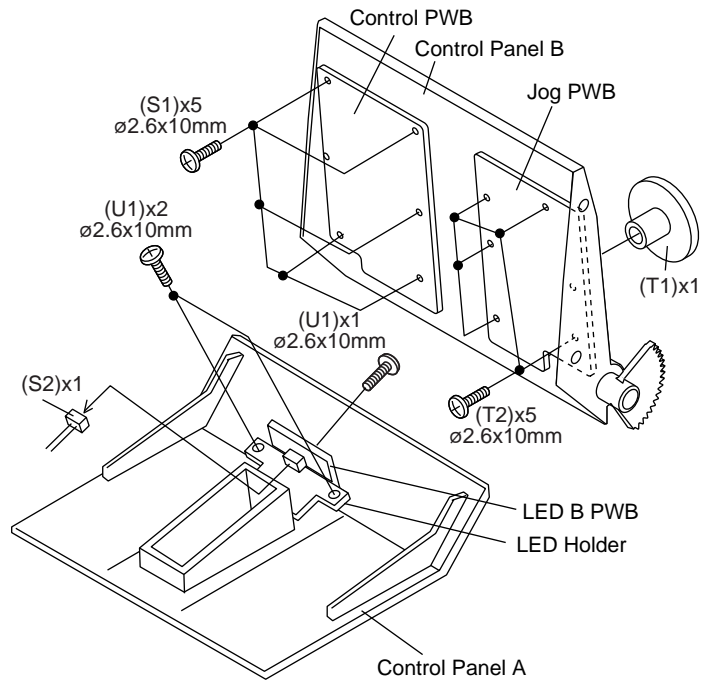


Figure 10-4

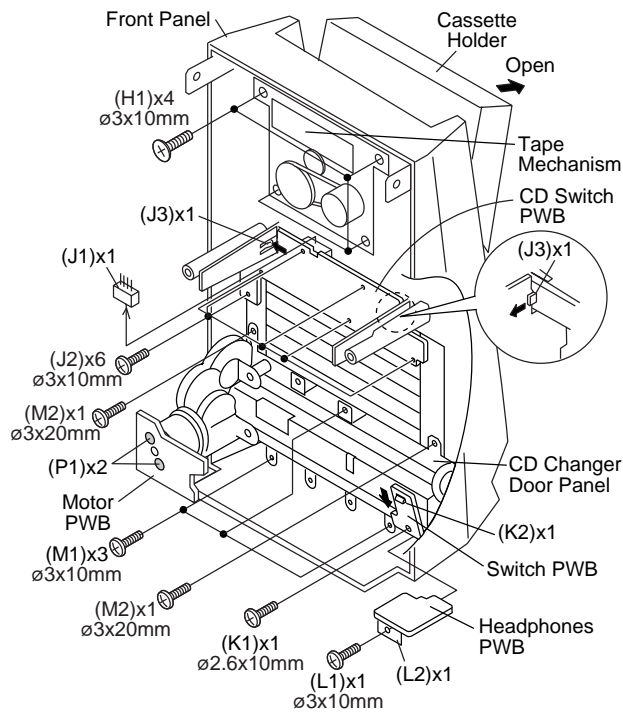


Figure 10-2

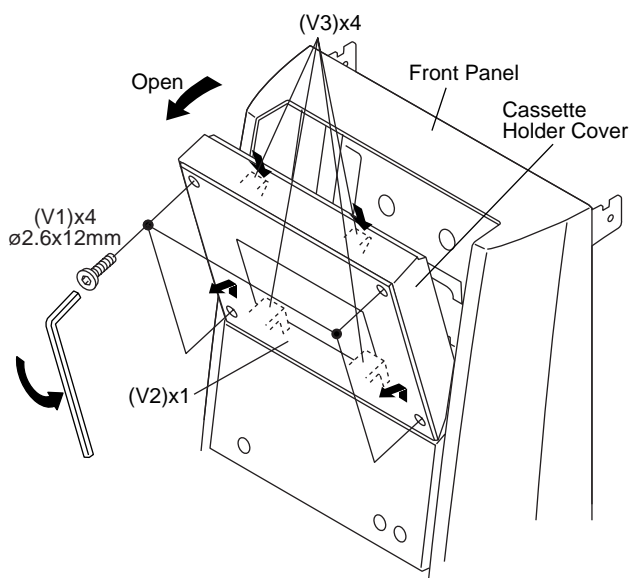


Figure 10-5

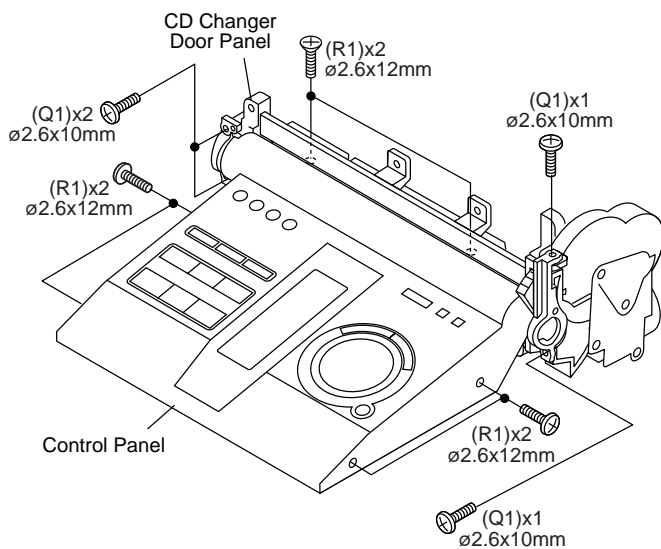


Figure 10-3

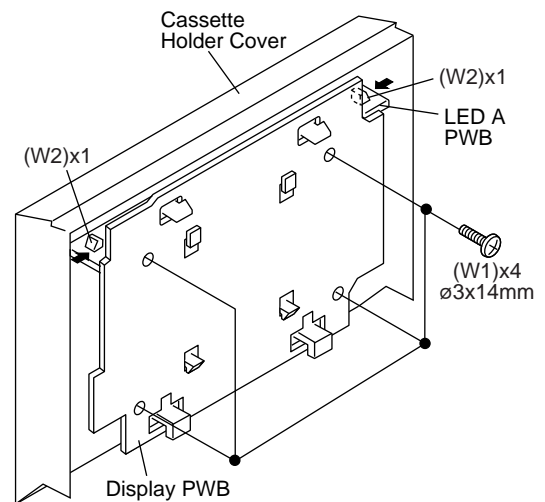


Figure 10-6

CD-CH1500 (CD CHANGER MECHANISM UNIT)			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x5	9-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x8	9-1
3	Rear Panel	1. Screw ..... (C1) x3 2. Screw ..... (C2) x6	9-2
4	Front Panel	1. Flat Cable ..... (D1) x1 2. Screw ..... (D2) x5 3. Socket ..... (D3) x6	9-2
5	CD Changer Mechanism	1. Flat Cable ..... (X1) x1 2. Screw ..... (X2) x2 3. Screw ..... (X3) x5	11-1
6	CD Servo PWB (Note)	1. Screw ..... (Y1) x4 2. Socket ..... (Y2) x4 3. Flat Wire ..... (Y3) x2	11-2
7	CD Mechanism	1. Screw ..... (Z1) x4	11-2

**Note:**

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of connector remove to protect the optical pickup from electrostatic damage.

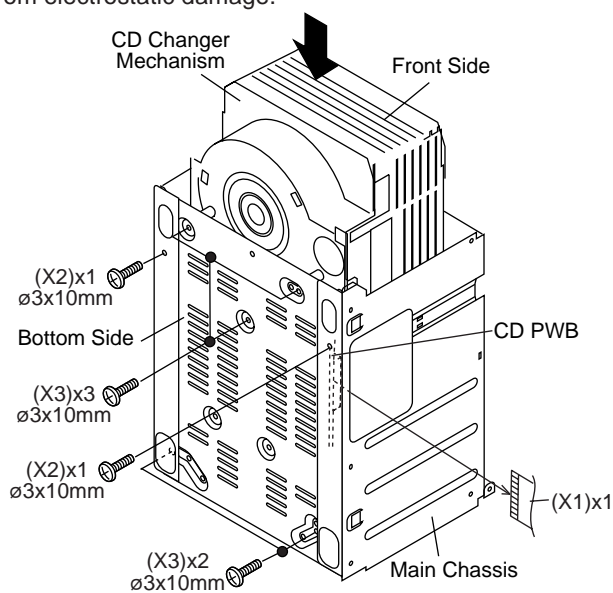


Figure 11-1

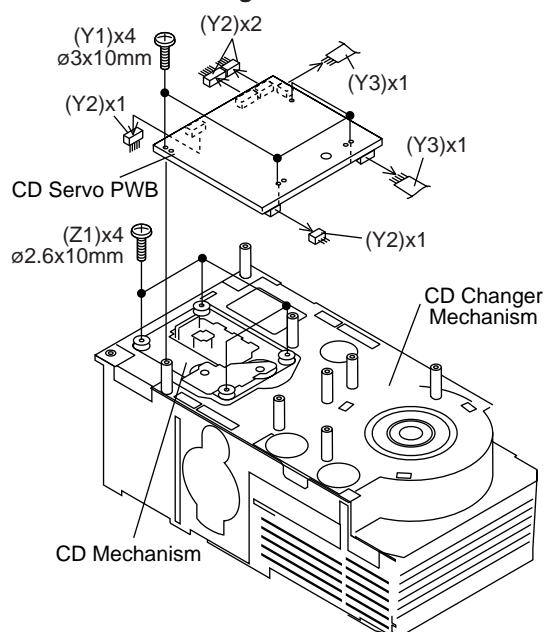


Figure 11-2

CP-RW5500			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Front Panel	1. Net ..... (A1) x1 2. Catching Holder . (A2) x4 3. Screw ..... (A3) x4	11-3
2	Woofer/Sub Woofer	1. Screw ..... (B1) x8	11-4
3	Tweeter	1. Screw ..... (C1) x2	11-4

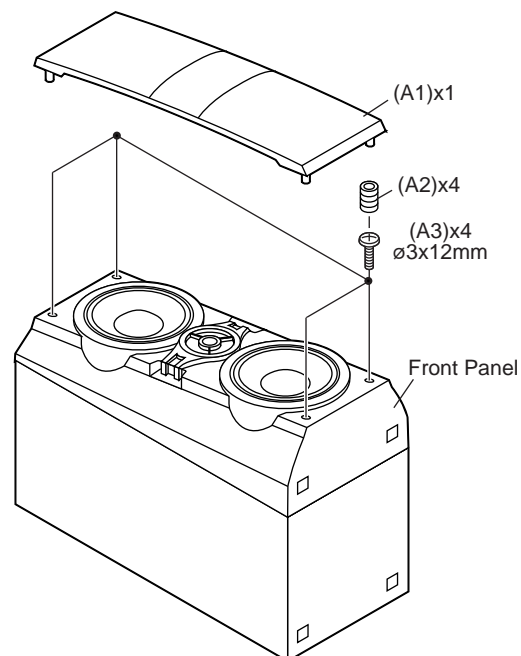


Figure 11-3

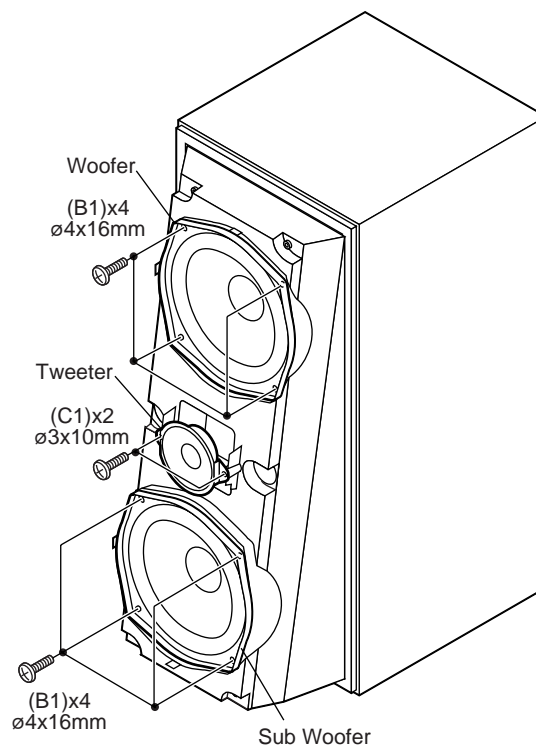


Figure 11-4

## REMOVING AND REINSTALLING THE MAIN PARTS

### TAPE MECHANISM SECTION

Perform steps 1 to 4 and 8 of the disassembly method to remove the tape mechanism.

#### How to remove the record/playback and erase heads (See Fig. 12-1)

1. When you remove the screws (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

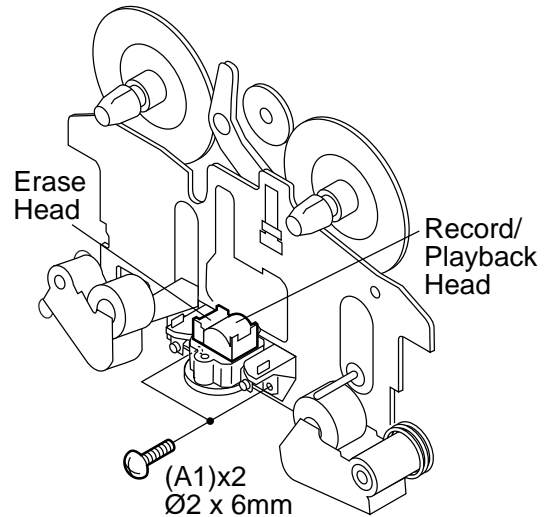


Figure 12-1

#### How to remove the pinch roller (See Fig. 12-2)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (B1) x1 pc., in the direction of the arrow <B>.

##### Note:

When installing the pinch roller, pay attention to the spring mounting position.

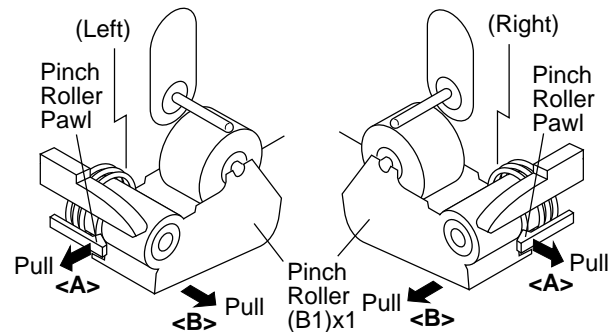


Figure 12-2

#### How to remove the belt (See Fig. 12-3)

1. Remove the motor.
2. Remove the main belt (C1) x 1 pc., from the motor side.
3. Remove the FF/REW belt (C2) x 1 pc.

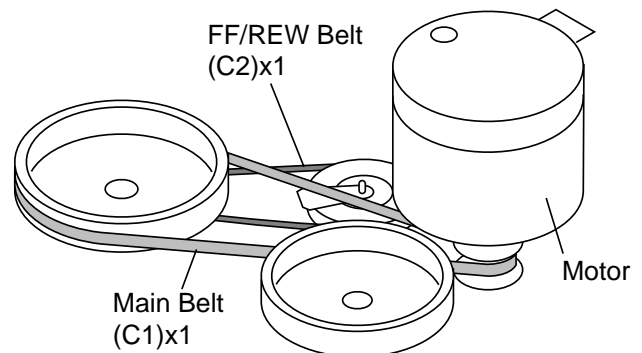


Figure 12-3

#### How to remove the motor (See Fig. 12-4)

1. Remove the belt.
2. Remove the screws (D1) x 2 pcs., to remove the motor.

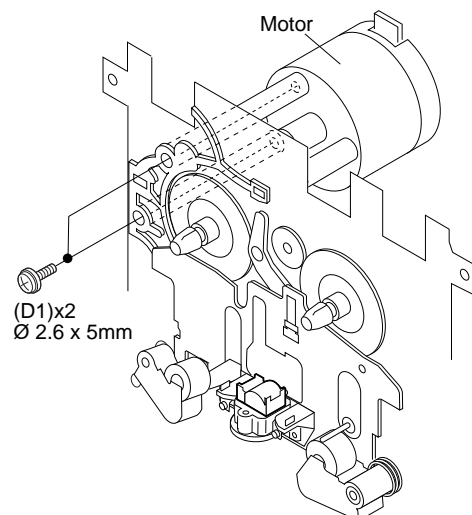


Figure 12-4

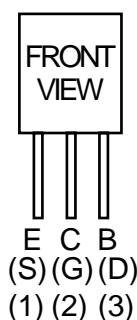
## NOTES ON SCHEMATIC DIAGRAM

- **Resistor:**  
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- **Capacitor:**  
To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.  
(CH), (TH), (RH), (UJ): Temperature compensation  
(ML): Mylar type  
(P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,  
( ) indicates AM  
< > indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.  
( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with "△" ( □ = = = □ ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
NSW1	PICKUP IN	ON—OFF
SW701	POWER	ON—OFF
SW705	OPEN/CLOSE	ON—OFF
SW710	PANEL OPEN/CLOSE	ON—OFF
SW711	VOLUME DOWN	ON—OFF
SW712	VOLUME UP	ON—OFF
SW720	CD 1 EJECT	ON—OFF
SW721	CD 2 EJECT	ON—OFF
SW722	CD 3 EJECT	ON—OFF
SW723	CD 4 EJECT	ON—OFF
SW724	CD 5 EJECT	ON—OFF
SW725	CD 6 EJECT	ON—OFF
SW730	CD 1 PLAY	ON—OFF
SW731	CD 2 PLAY	ON—OFF
SW732	CD 3 PLAY	ON—OFF
SW733	CD 4 PLAY	ON—OFF
SW734	CD 5 PLAY	ON—OFF
SW735	CD 6 PLAY	ON—OFF
SW750	R-MODE	ON—OFF
SW751	CLEAR	ON—OFF
SW752	MEMORY	ON—OFF
SW753	FAST REVERSE	ON—OFF
SW754	FAST FORWARD	ON—OFF
SW755	TAPE RECORD	ON—OFF

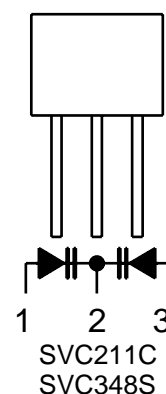
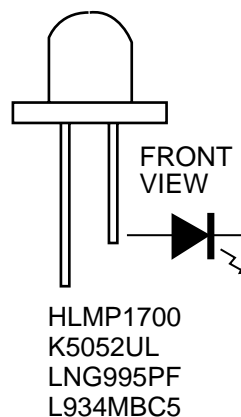
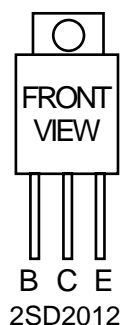
REF. NO	DESCRIPTION	POSITION
SW756	PLAY/PAUSE	ON—OFF
SW757	STOP	ON—OFF
SW758	PLAY	ON—OFF
SW761	AUX	ON—OFF
SW762	TUNER	ON—OFF
SW763	TAPE	ON—OFF
SW764	CD	ON—OFF
SW772	EQUALIZER MODE	ON—OFF
SW773	X-BASS	ON—OFF
SW778	ENTER	ON—OFF
SW783	PLAY MODE	ON—OFF
SW784	DISPLAY	ON—OFF
SW786	MENU	ON—OFF
SWB101	DISC DETECT 1	ON—OFF
SWB102	DISC DETECT 2	ON—OFF
SWB103	DISC DETECT 3	ON—OFF
SWB104	MODE 1	ON—OFF
SWB105	MODE 2	ON—OFF
SWB106	MODE 3	ON—OFF
SWB107	MODE 4	ON—OFF
SWB108	MODE 5	ON—OFF
SWB109	TRAY 1	ON—OFF
SWB110	TRAY 2	ON—OFF

## TYPES OF TRANSISTOR AND LED



2SA562 Y  
2SA1015 GR  
2SB561 C  
2SB562 C  
2SC1740 R  
DTC363 TS  
KRA102 M  
KRA107 M  
KRC102 M

KRC104 M  
KRC107 M  
KTA1046 Y  
KTA1266 GR  
KTC2026  
KTC3194 Y  
KTC3199 GR  
KTC3203 Y



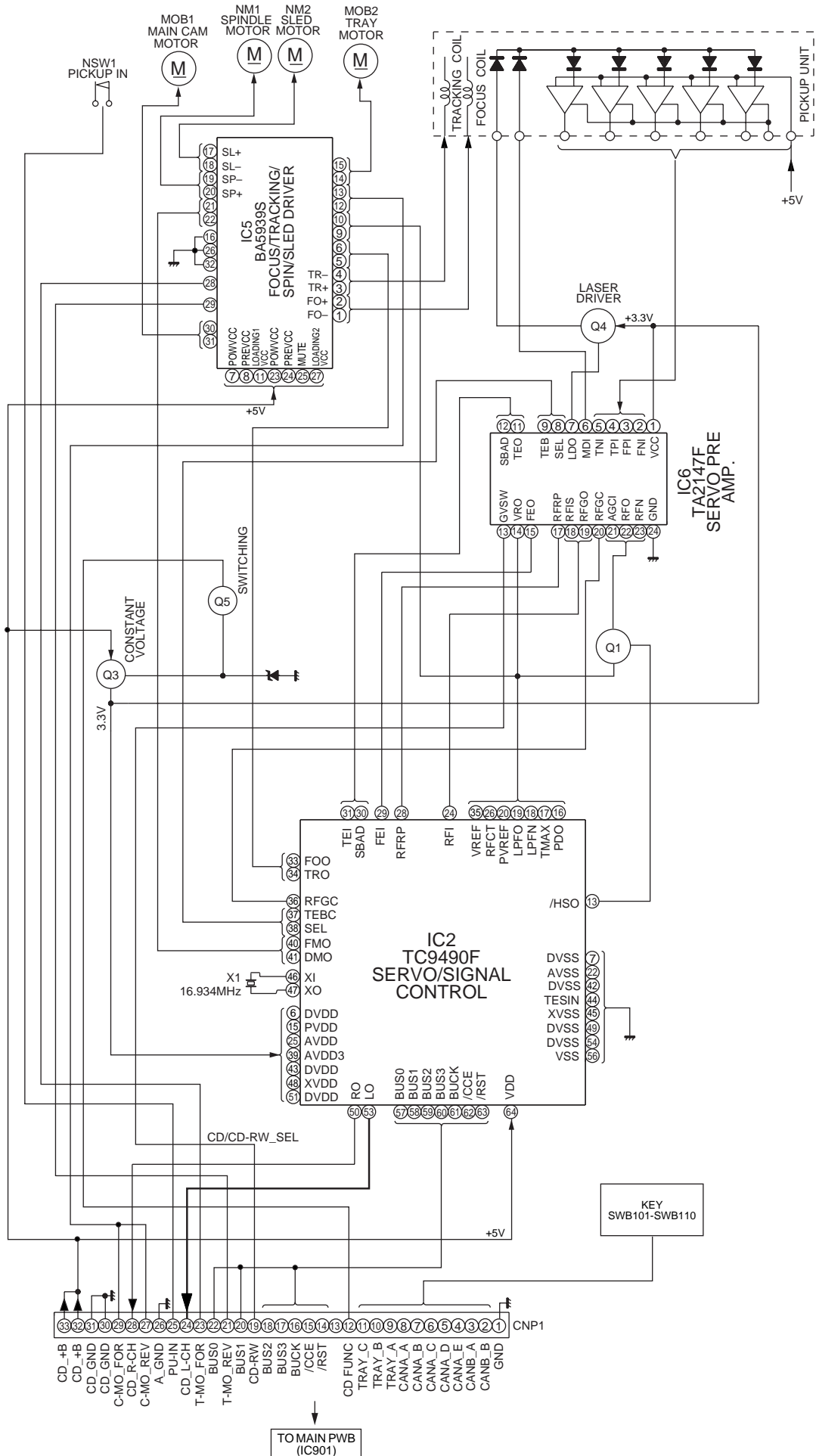
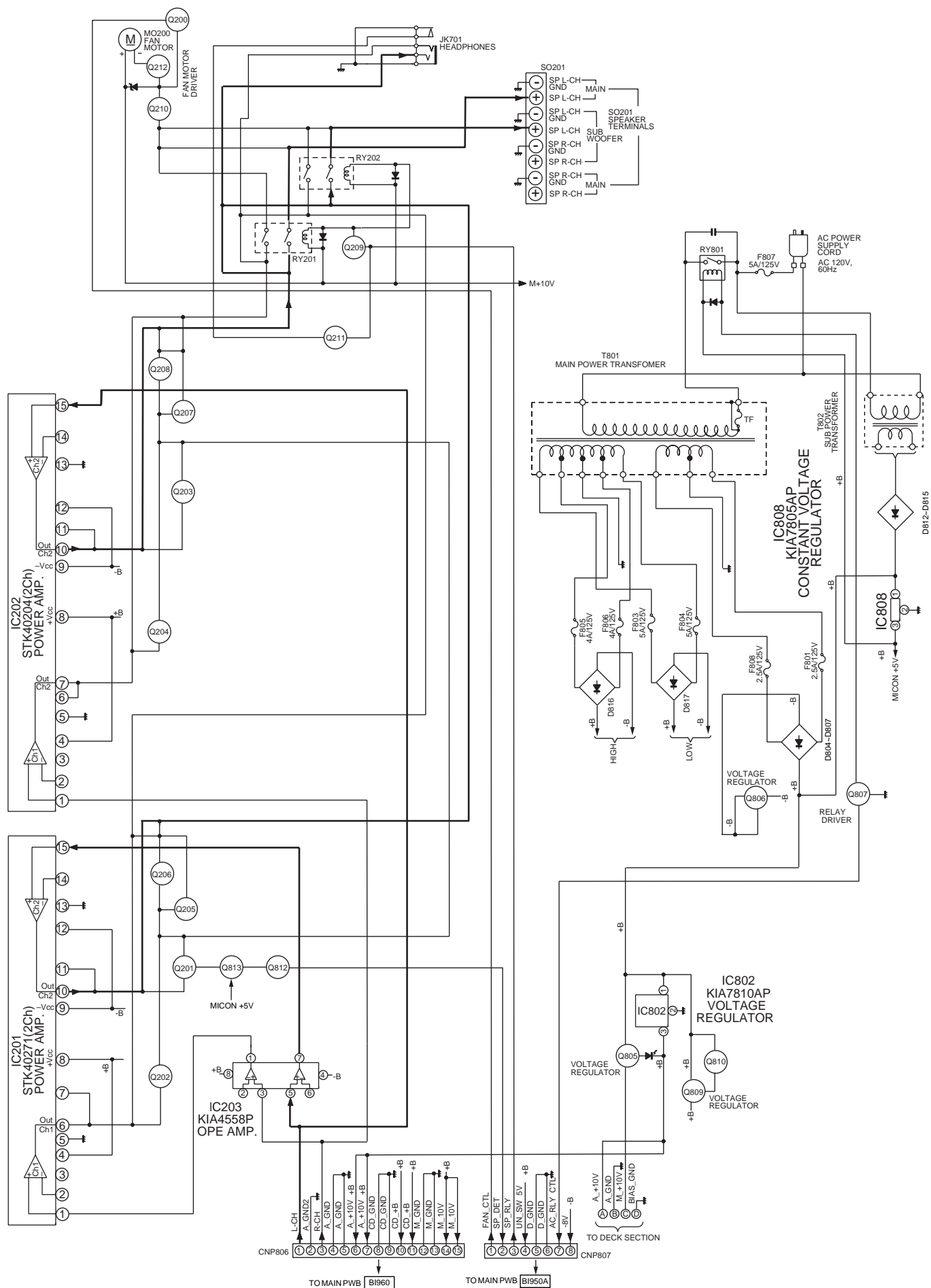


Figure 14 BLOCK DIAGRAM (1/6)





**Figure 15 BLOCK DIAGRAM (2/6)**

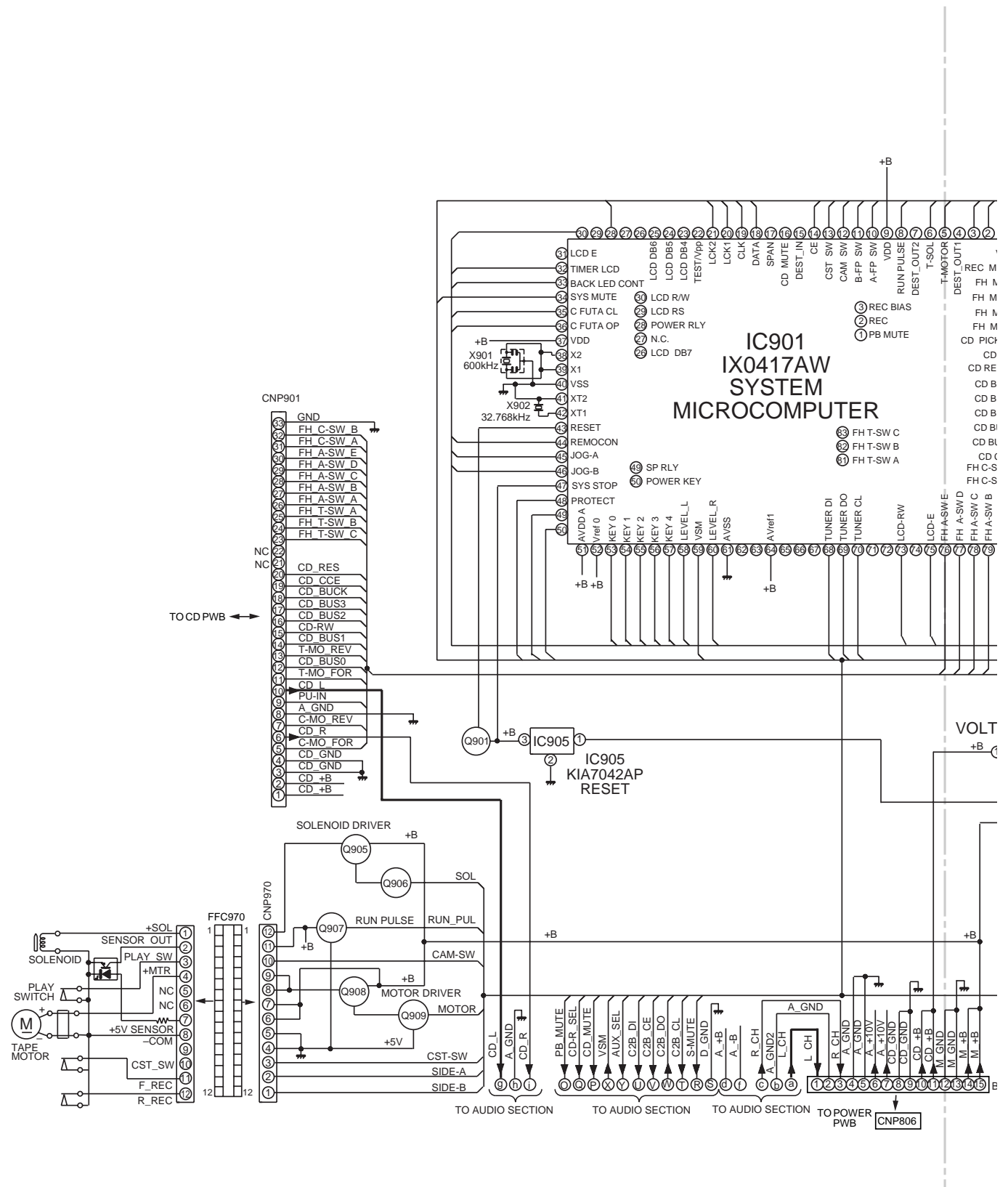


Figure 16 BLOCK DIAGRAM (3/6)

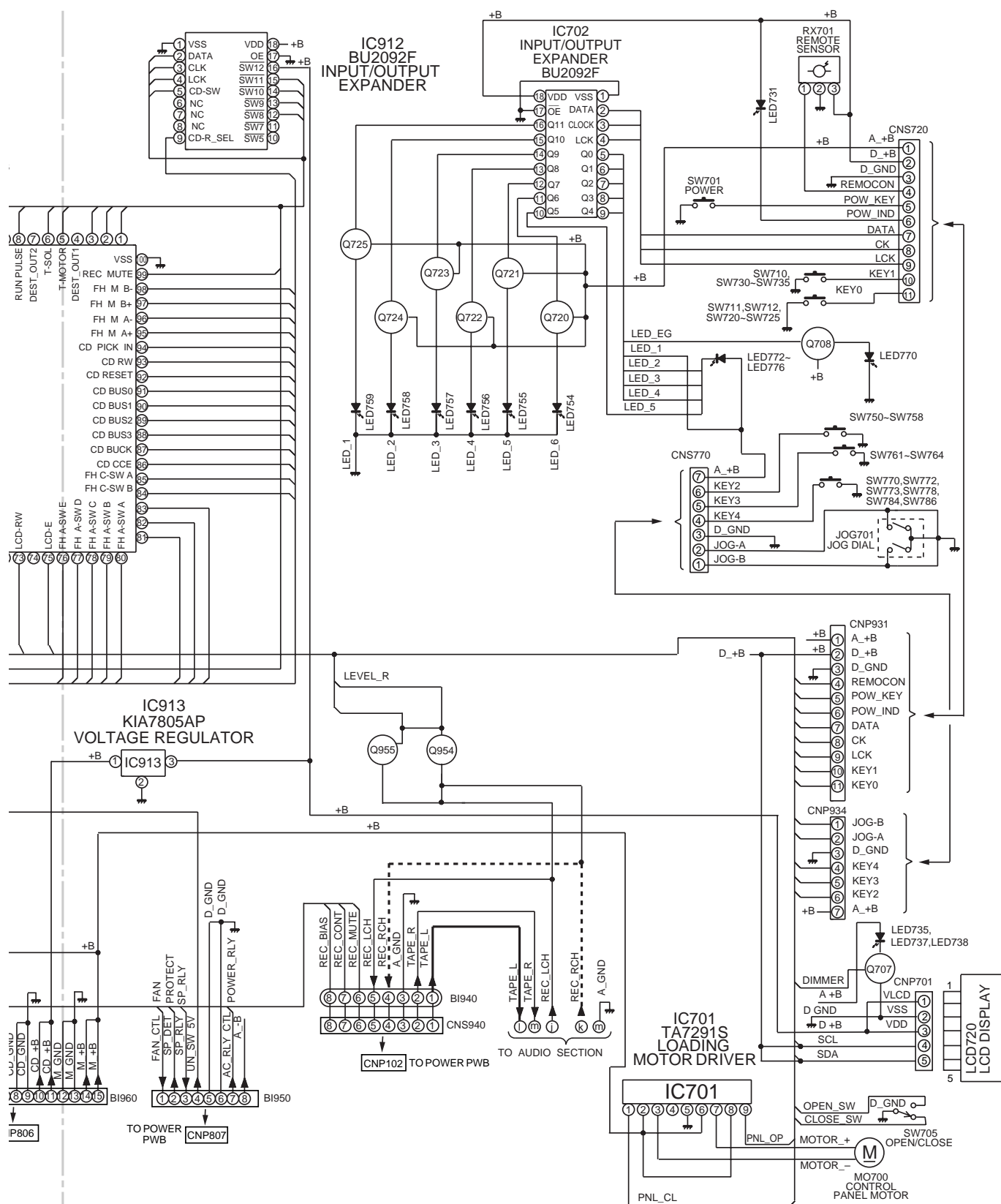


Figure 17 BLOCK DIAGRAM (4/6)

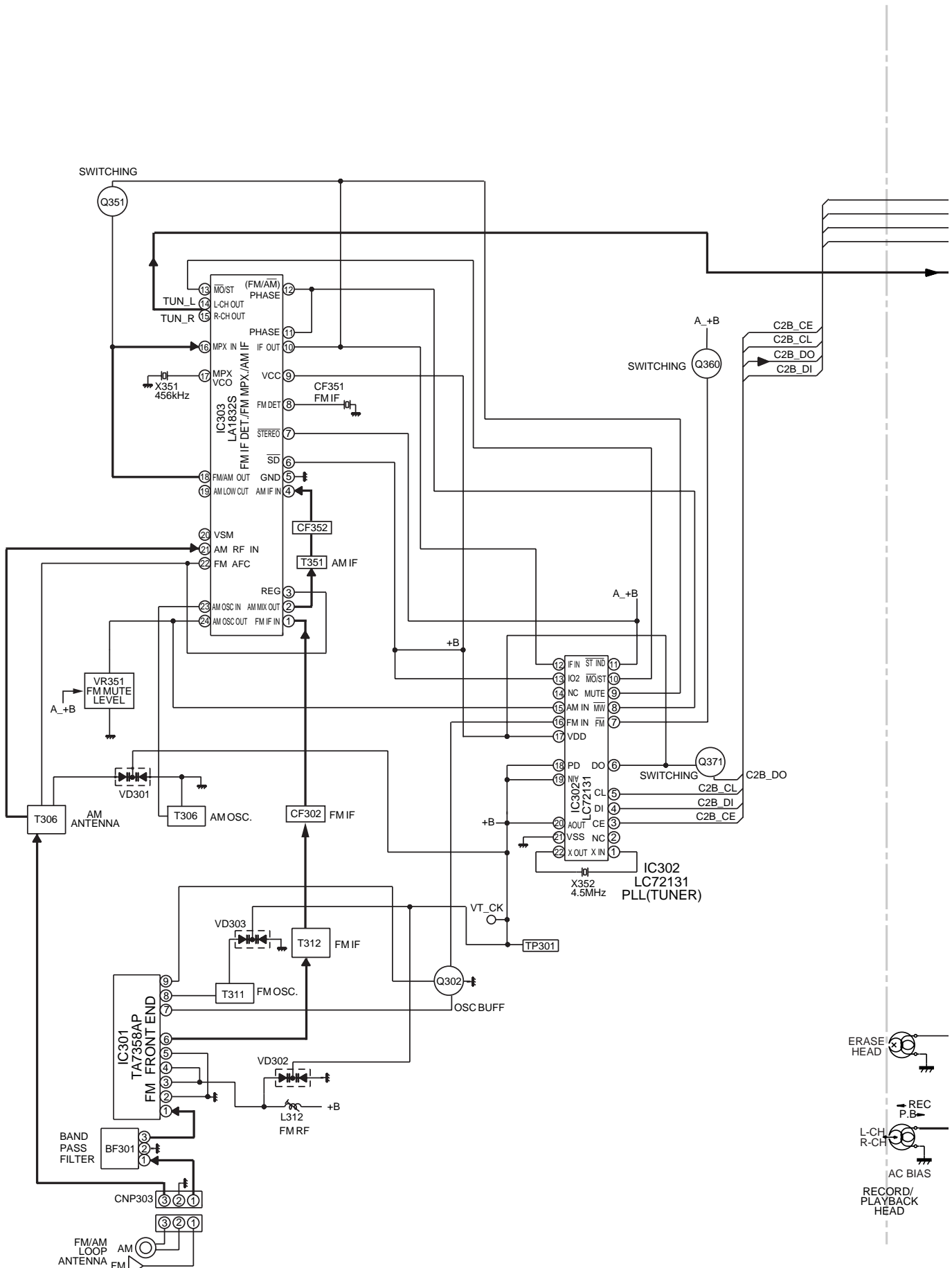
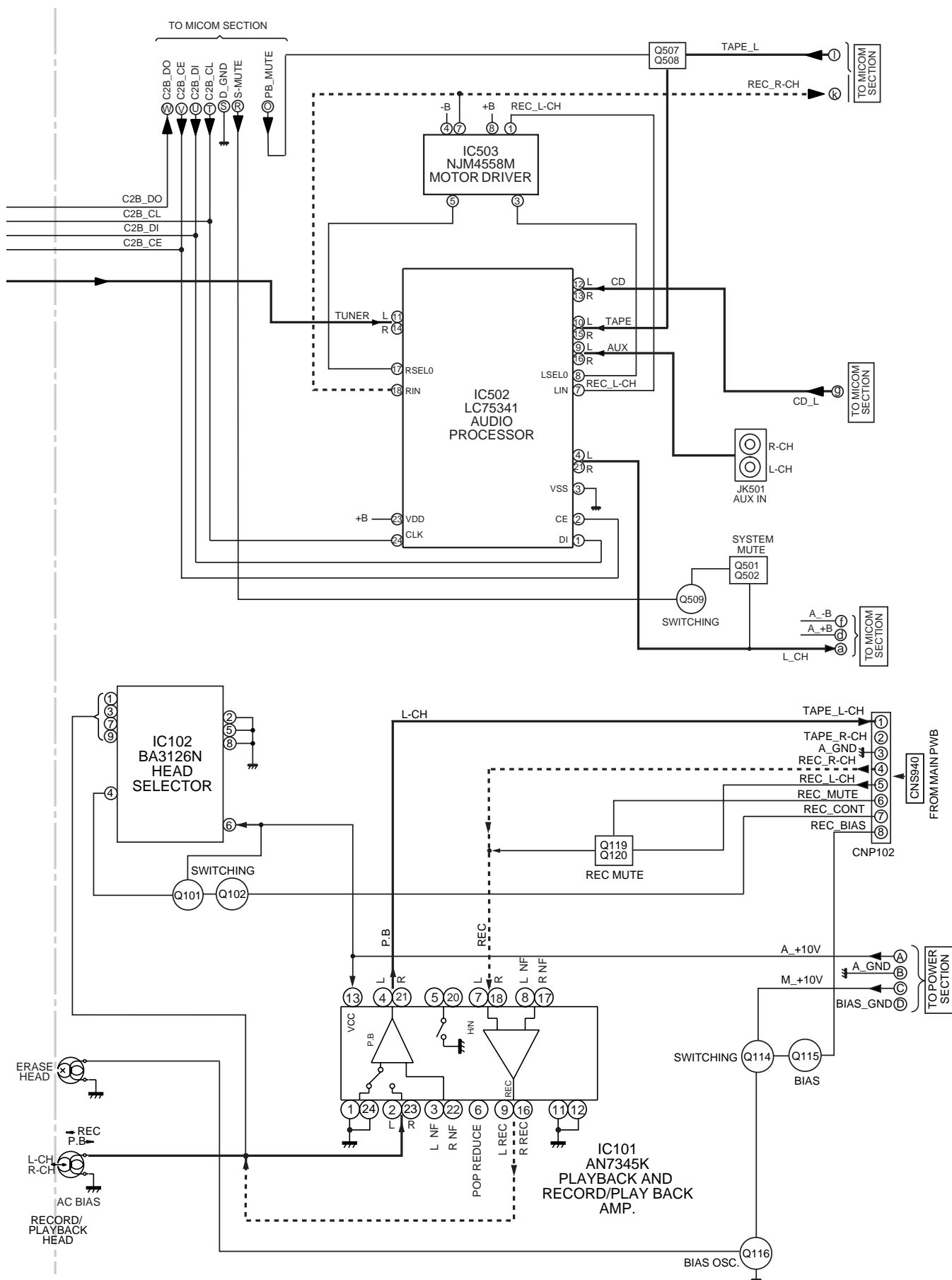


Figure 18 BLOCK DIAGRAM (5/6)



**Figure 19 BLOCK DIAGRAM (6/6)**

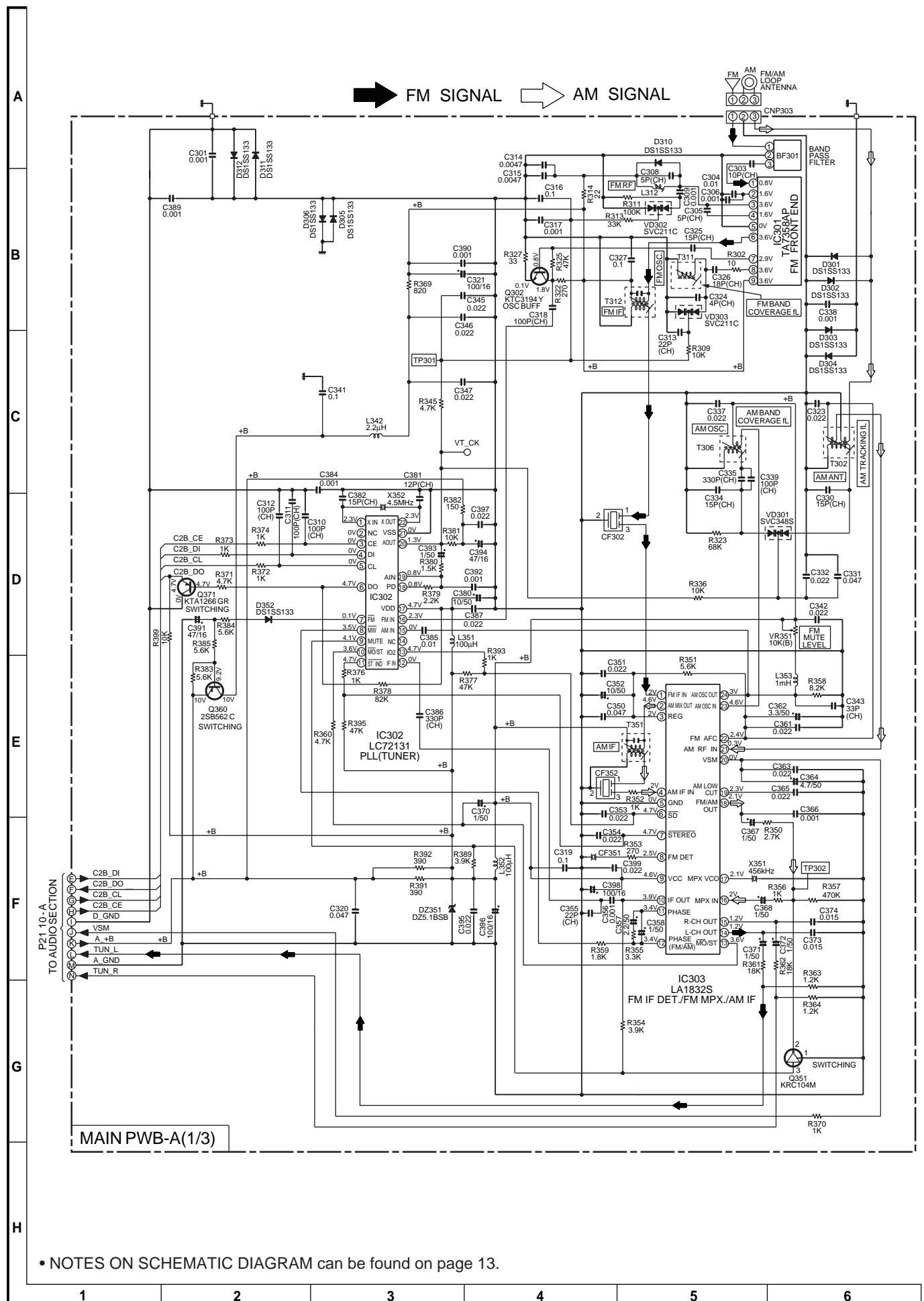
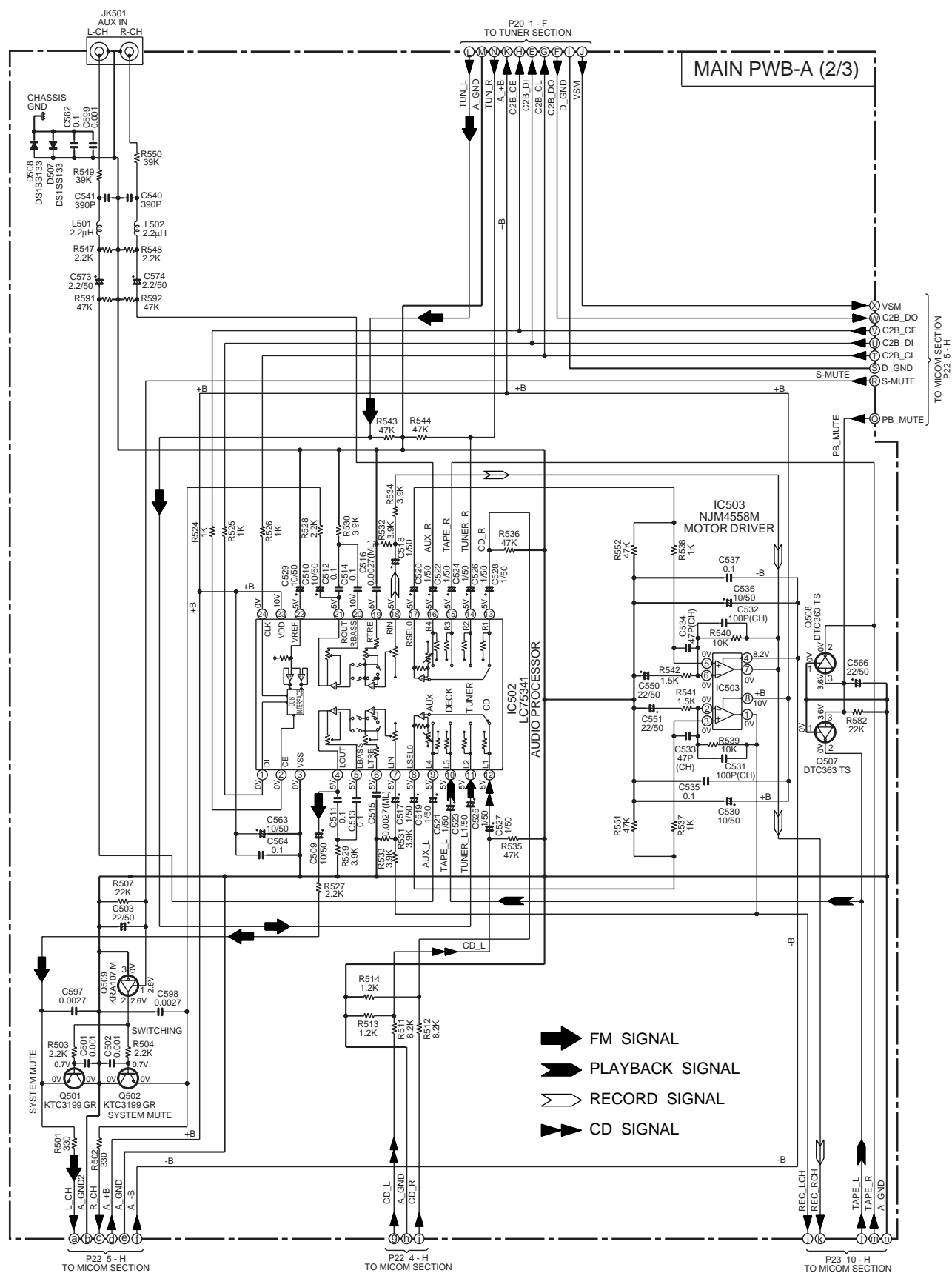


Figure 20 SCHEMATIC DIAGRAM (1/11)





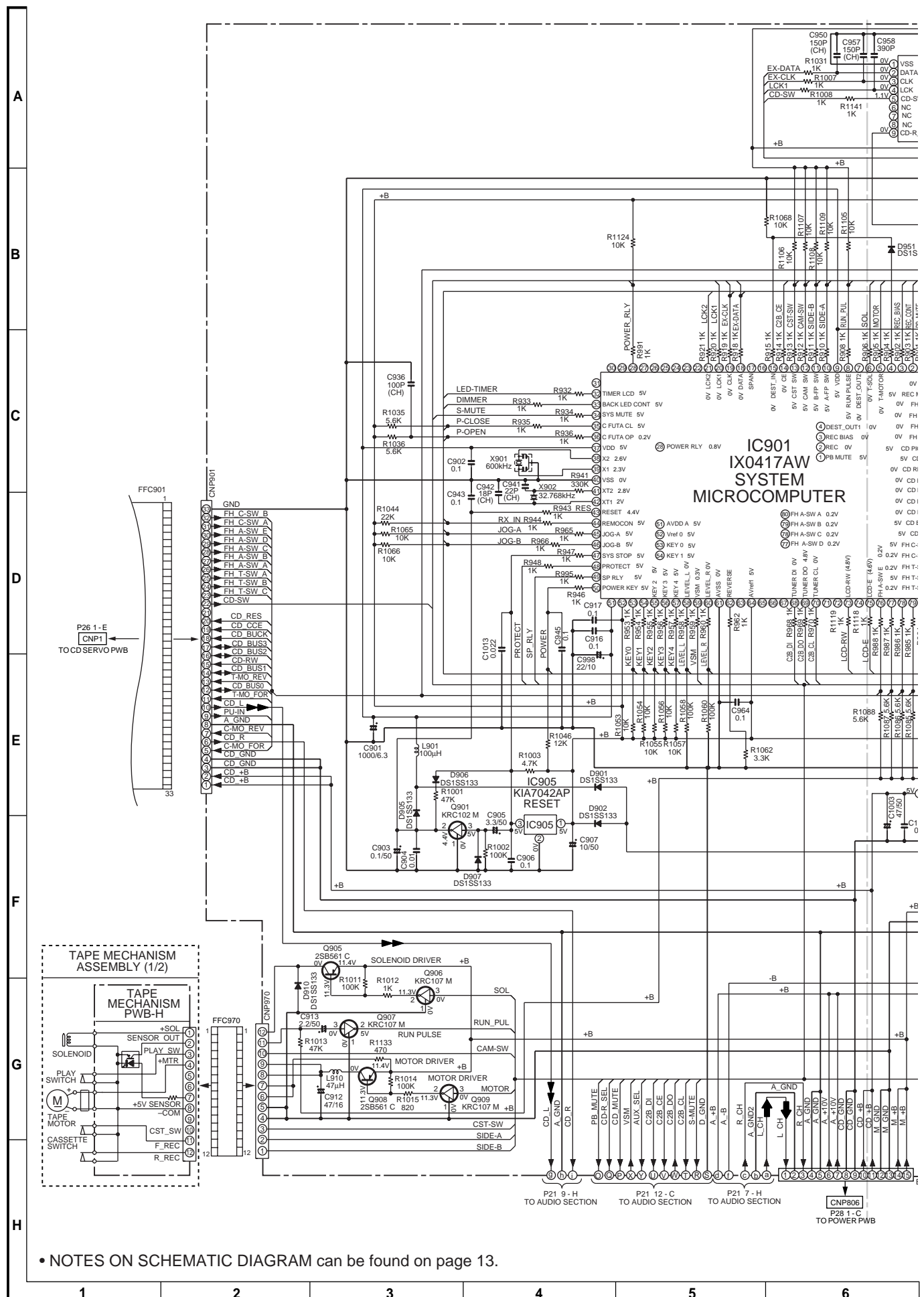


Figure 22 SCHEMATIC DIAGRAM (3/11)

- 23 -



- 24 -

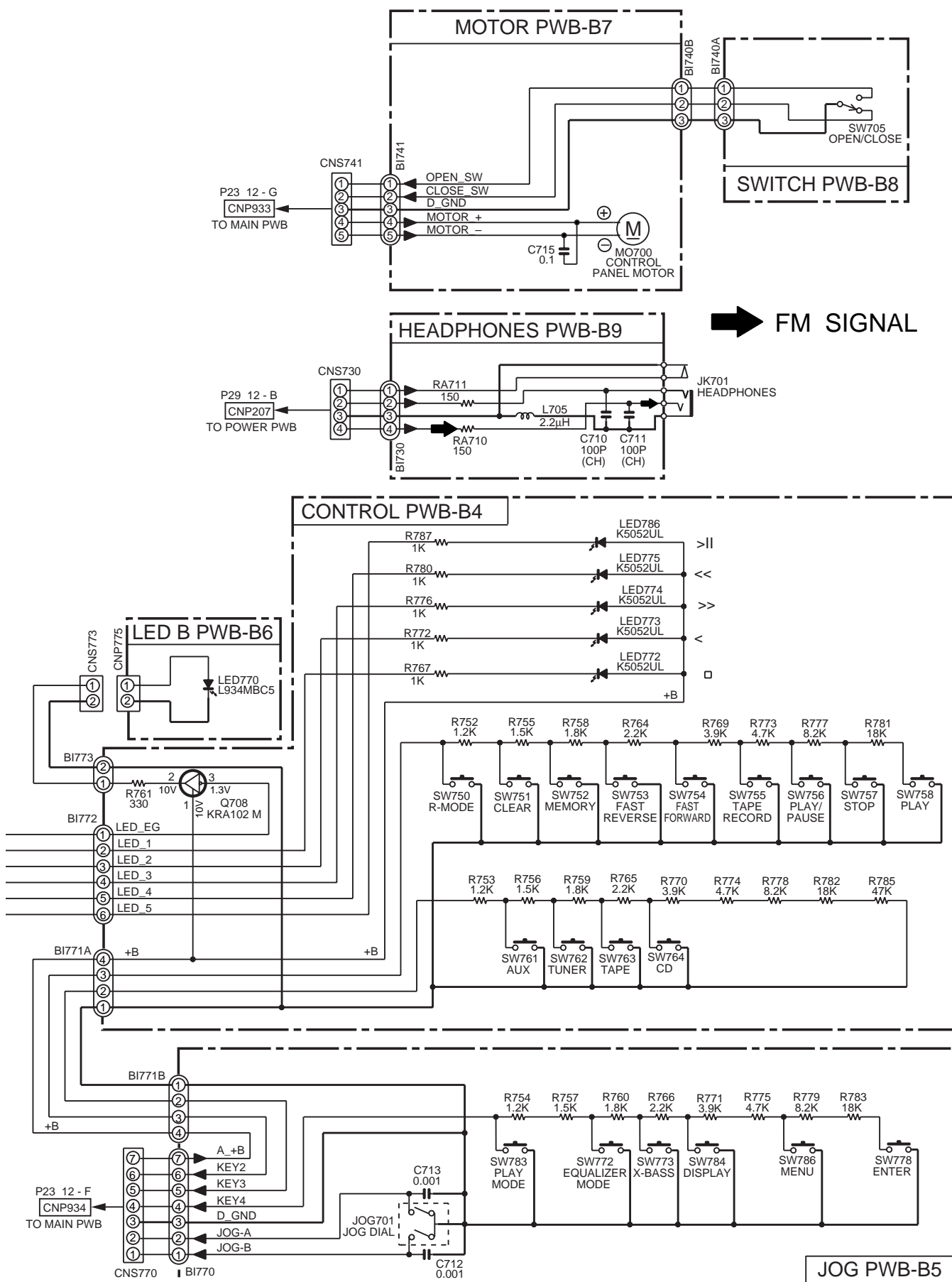


Figure 25 SCHEMATIC DIAGRAM (6/11)

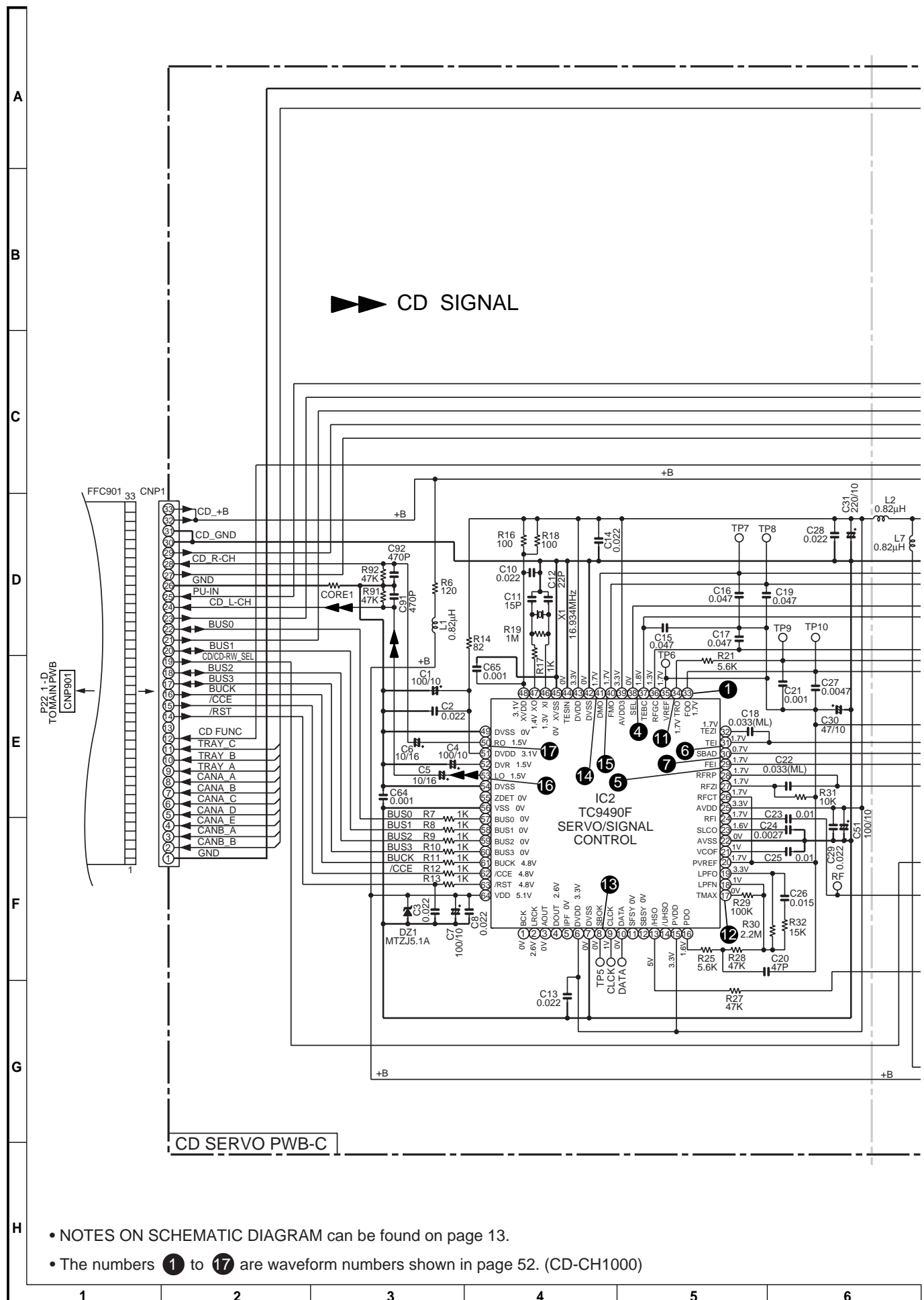


Figure 26 SCHEMATIC DIAGRAM (7/11)



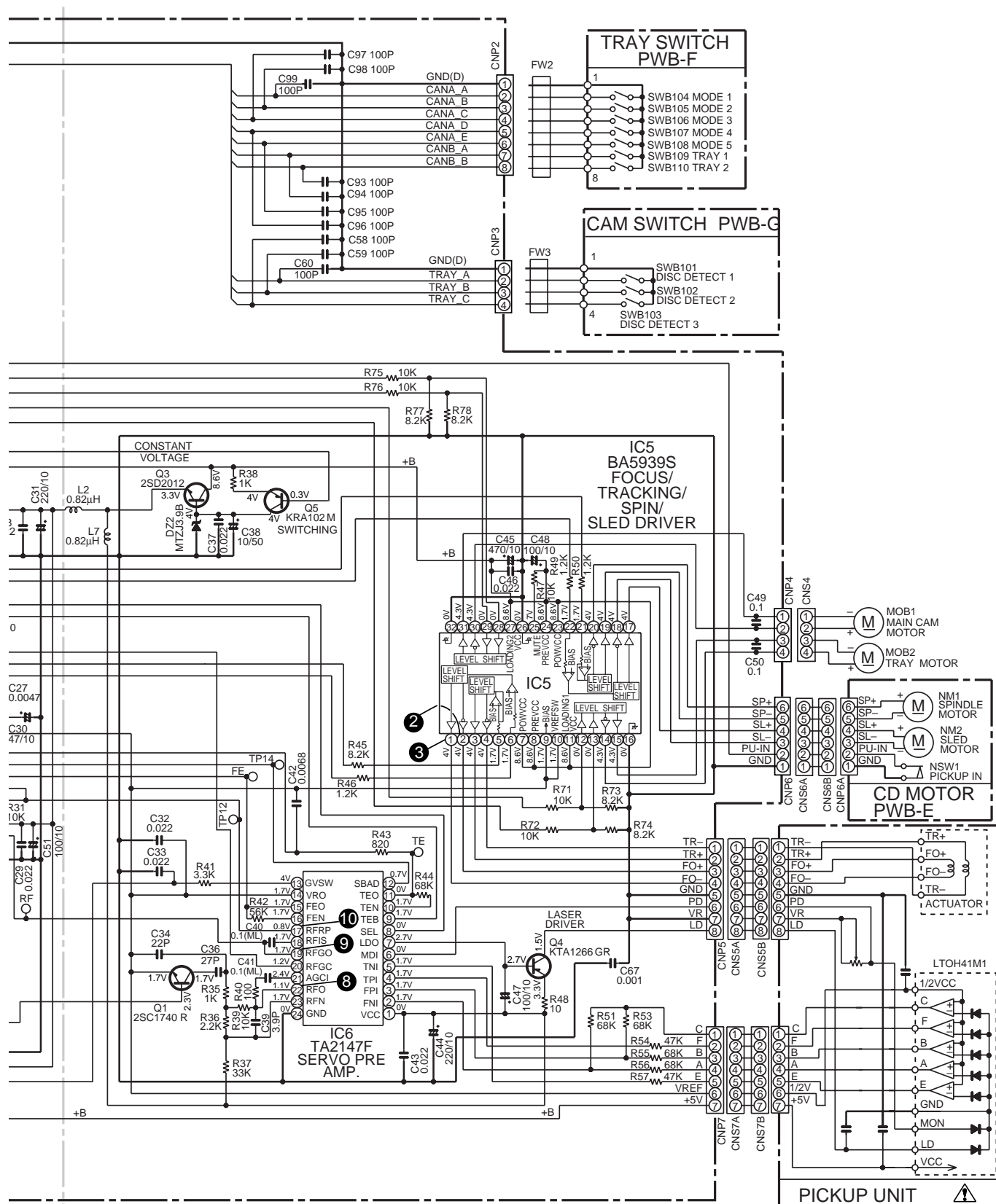
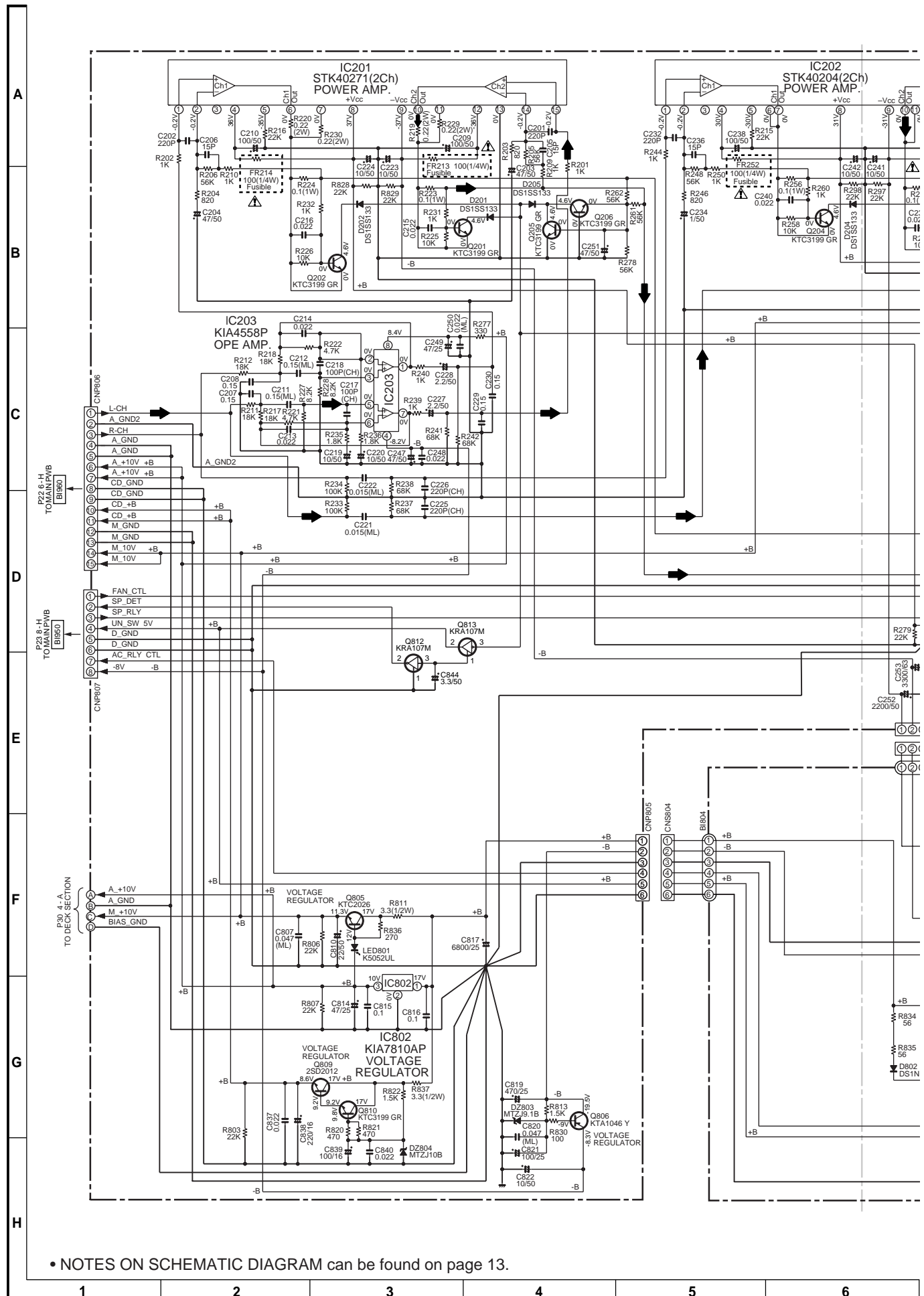
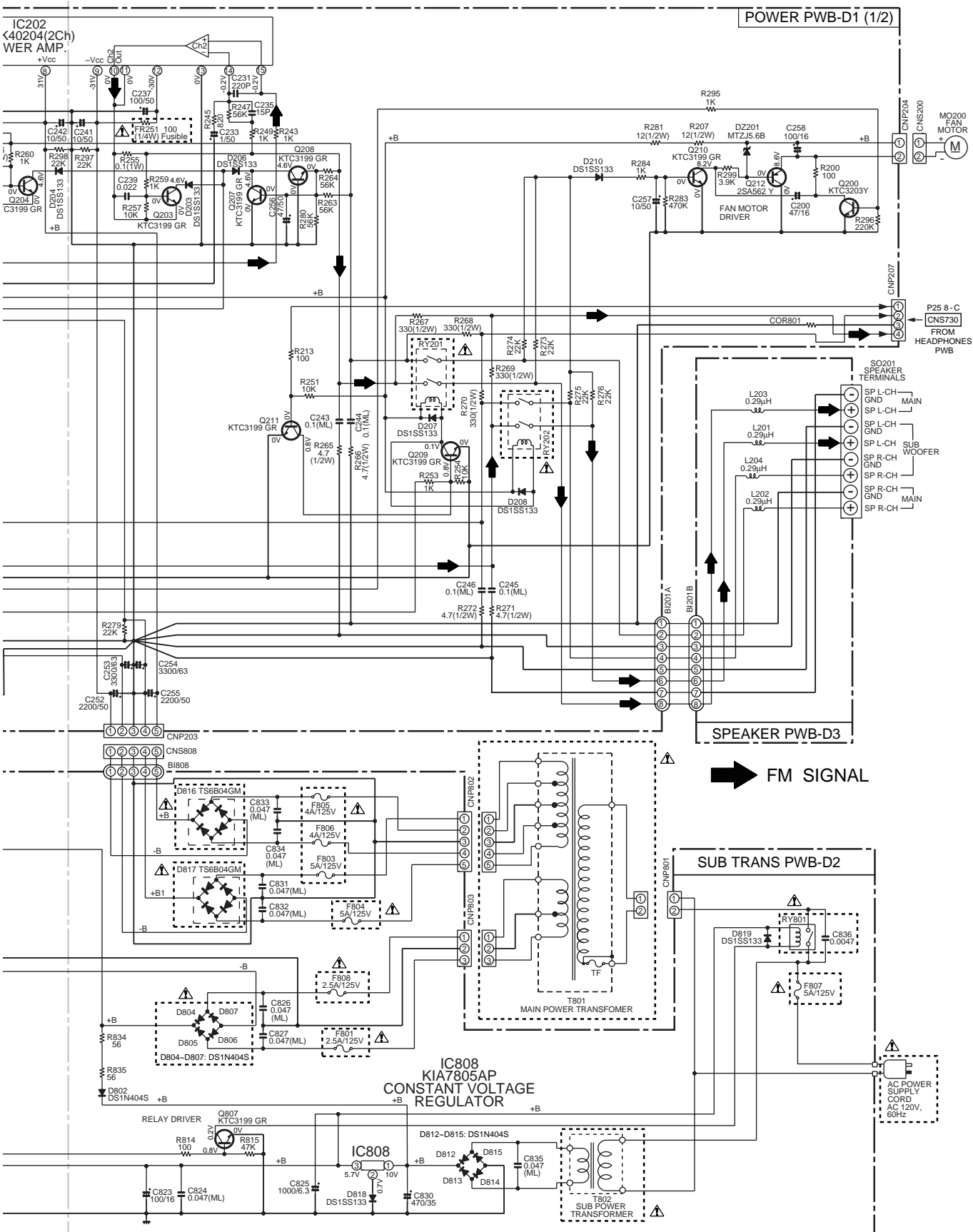


Figure 27 SCHEMATIC DIAGRAM (8/11)

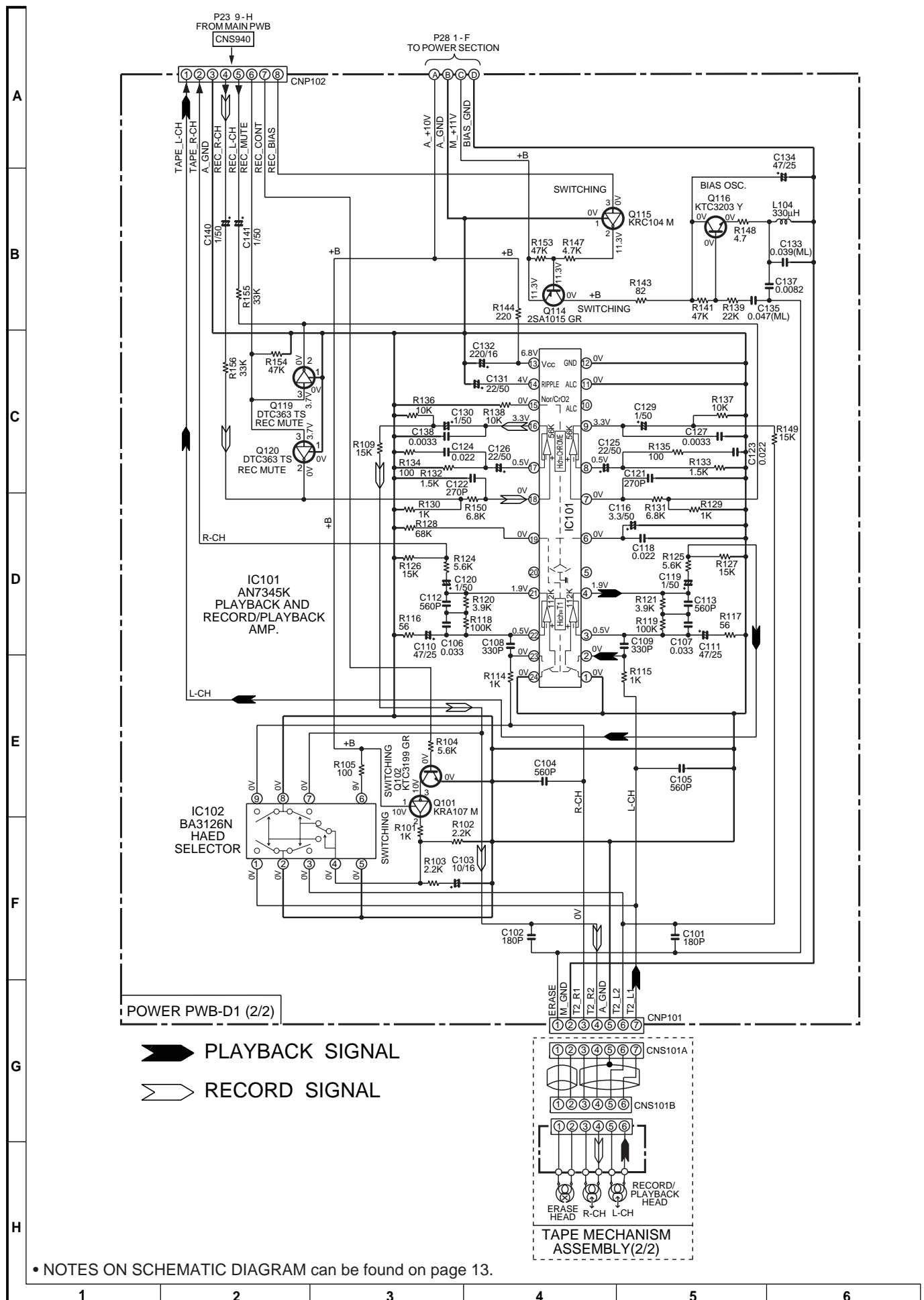


• NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 28 SCHEMATIC DIAGRAM (9/11)

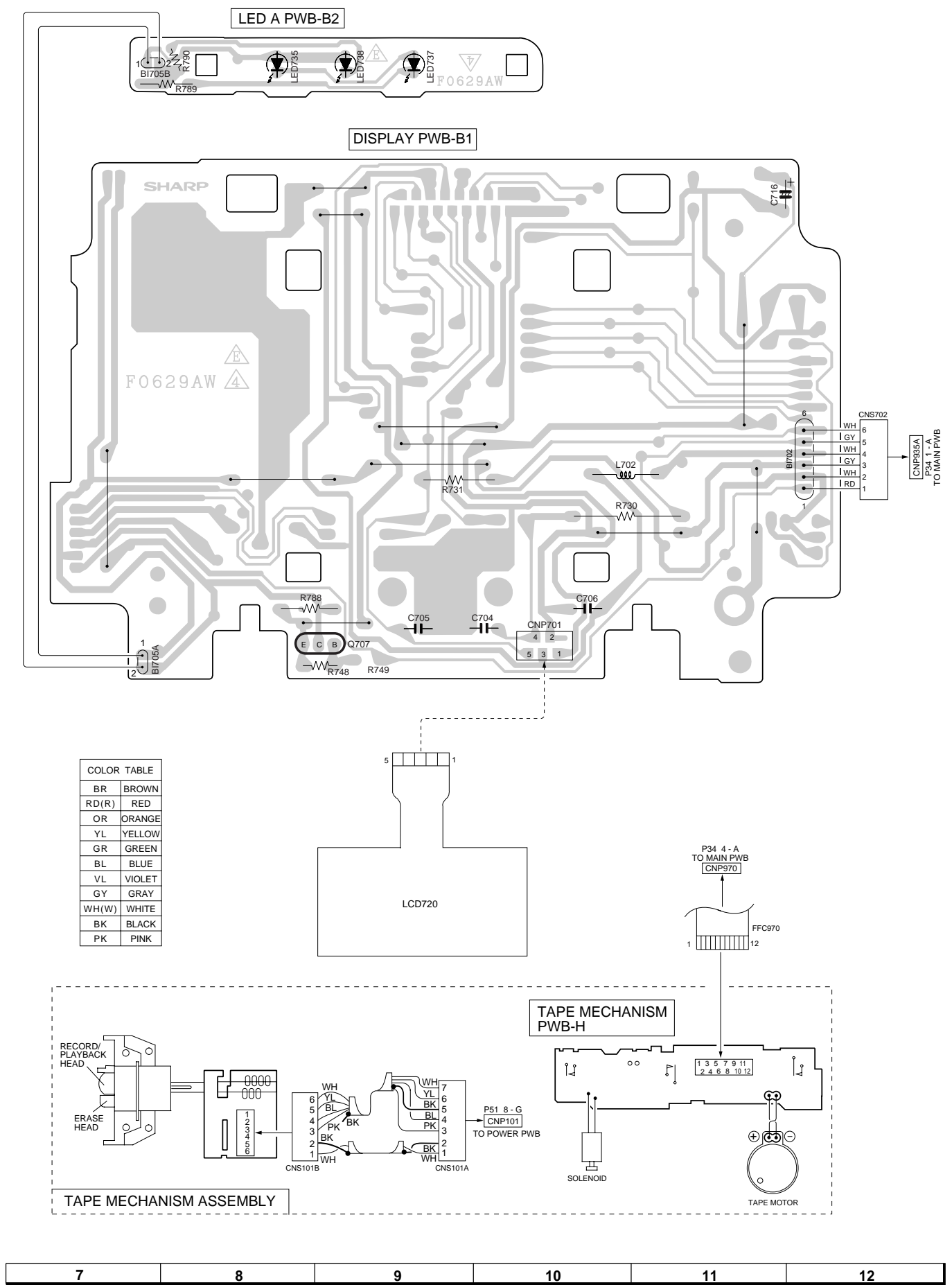


**Figure 29 SCHEMATIC DIAGRAM (10/11)**



• NOTES ON SCHEMATIC DIAGRAM can be found on page 13.

Figure 30 SCHEMATIC DIAGRAM (11/11)



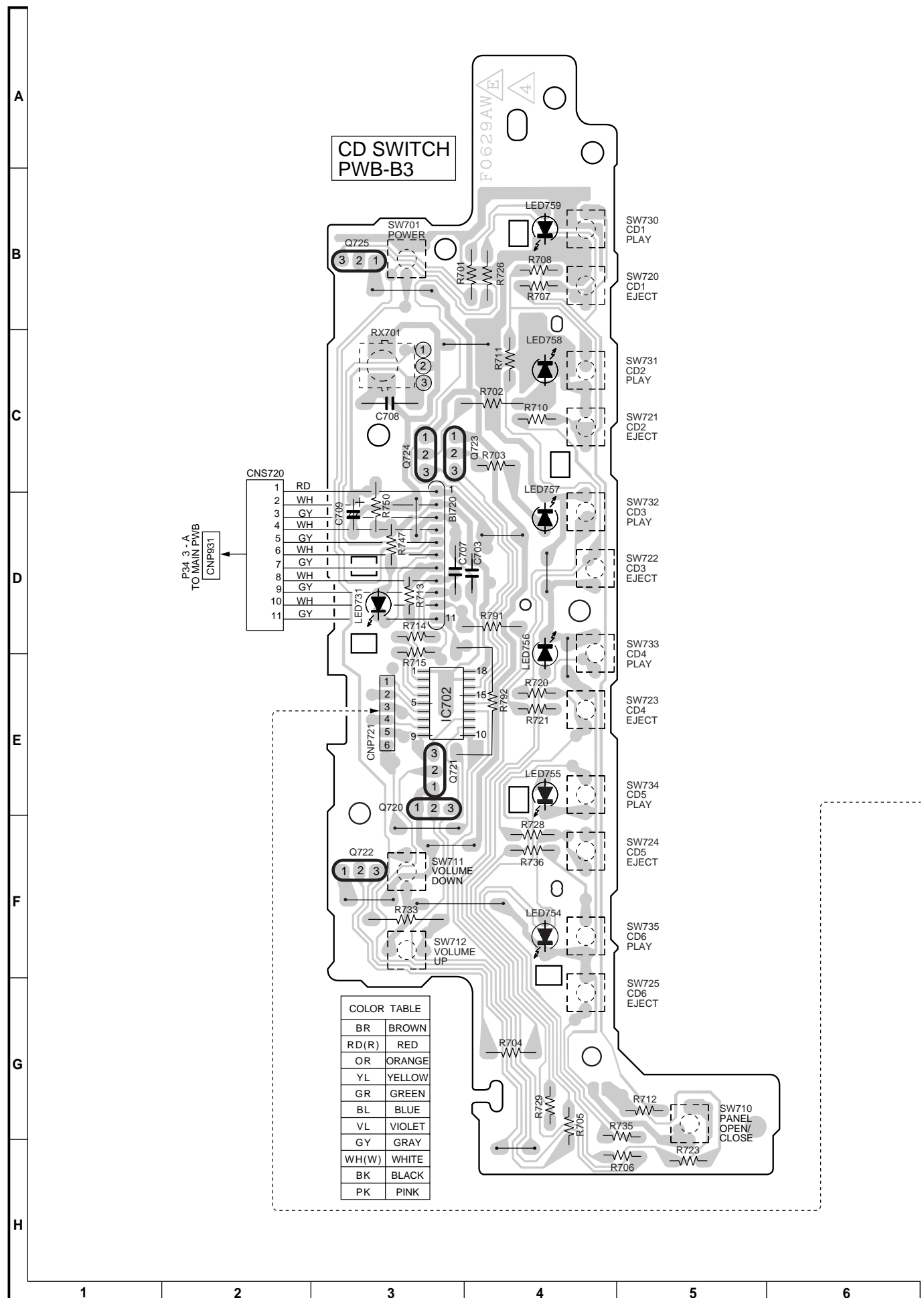


Figure 32 WIRING SIDE OF P.W.BOARD (2/9)



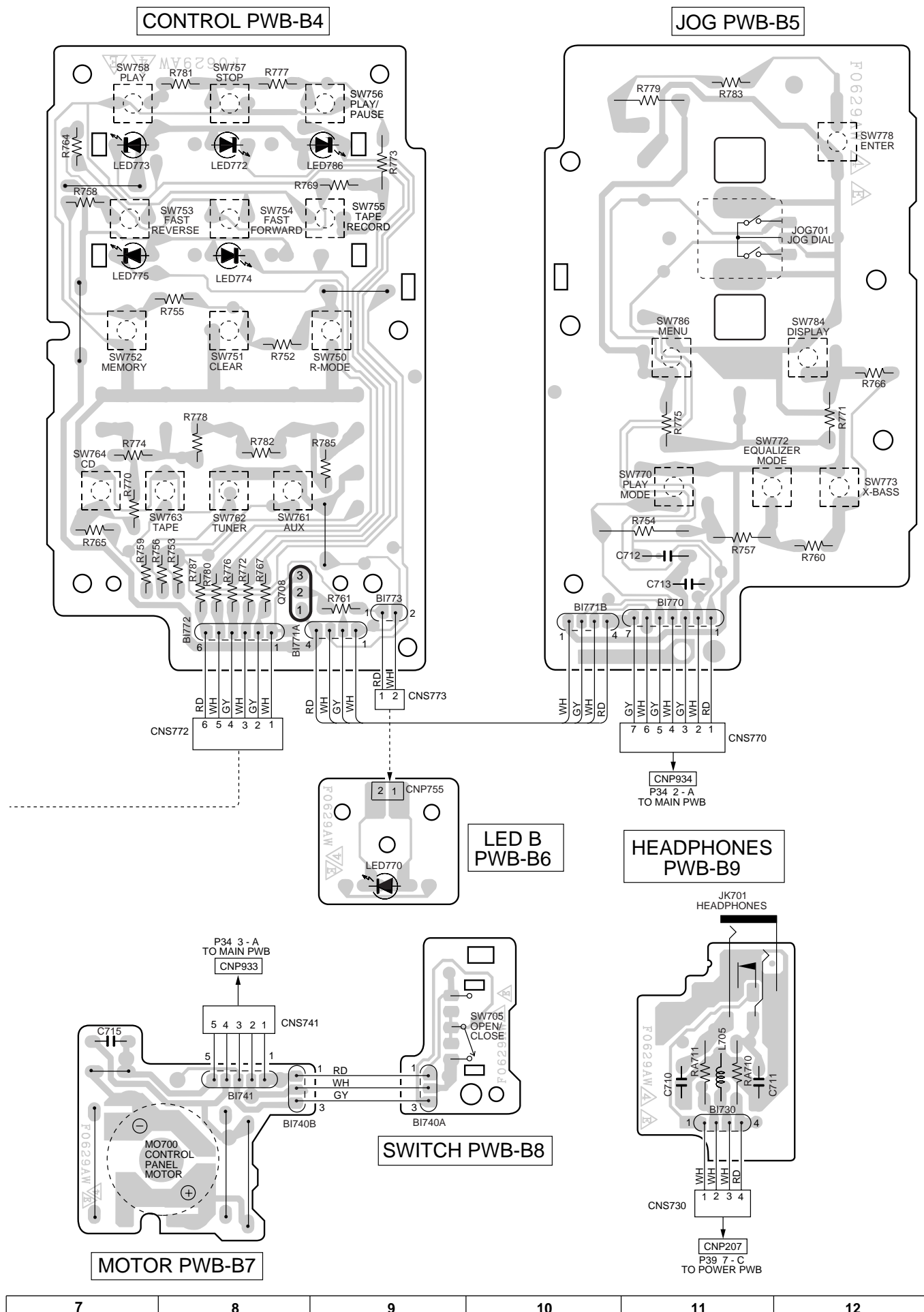
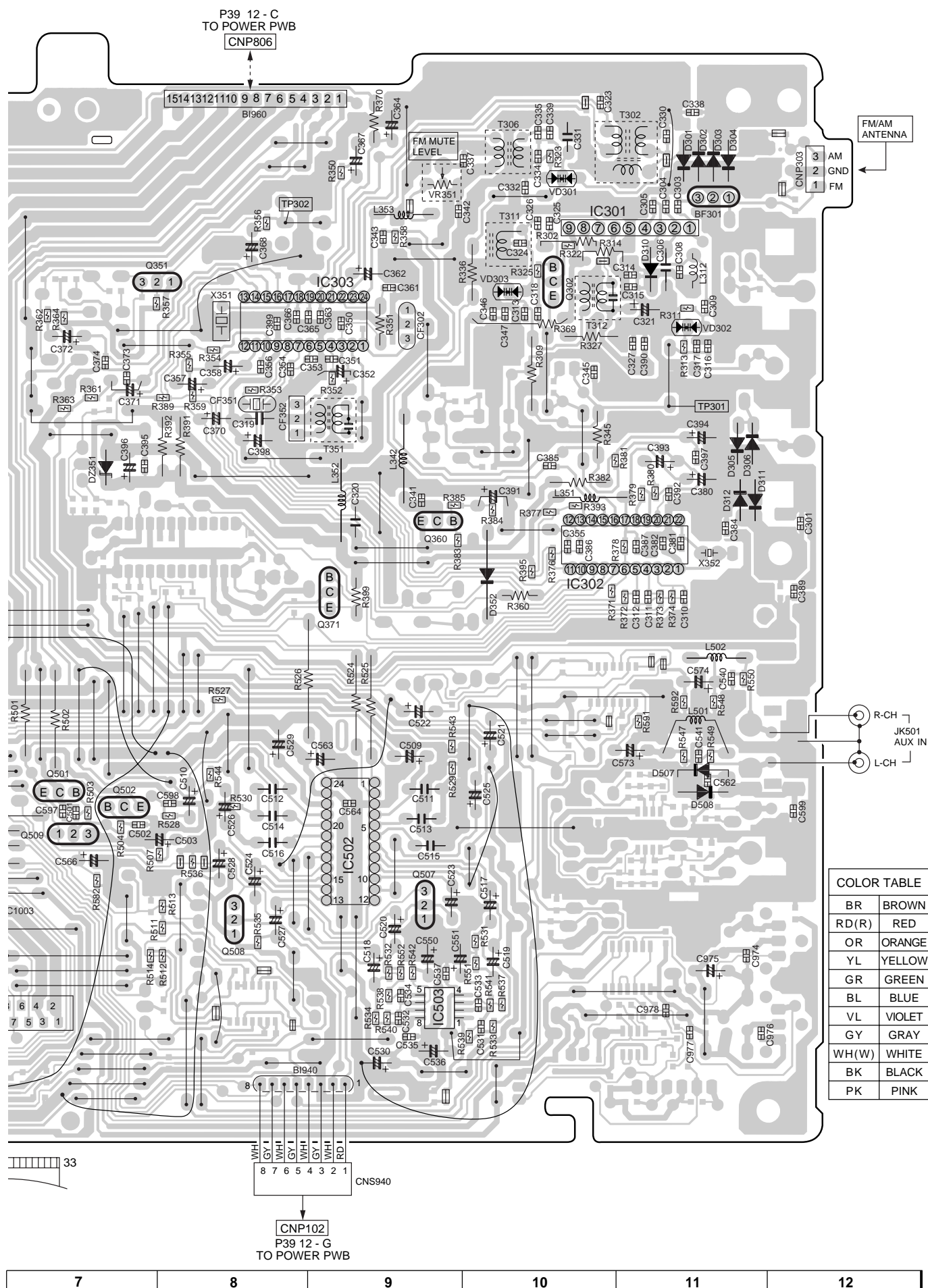


Figure 33 WIRING SIDE OF P.W.BOARD (3/9)

- 34 -



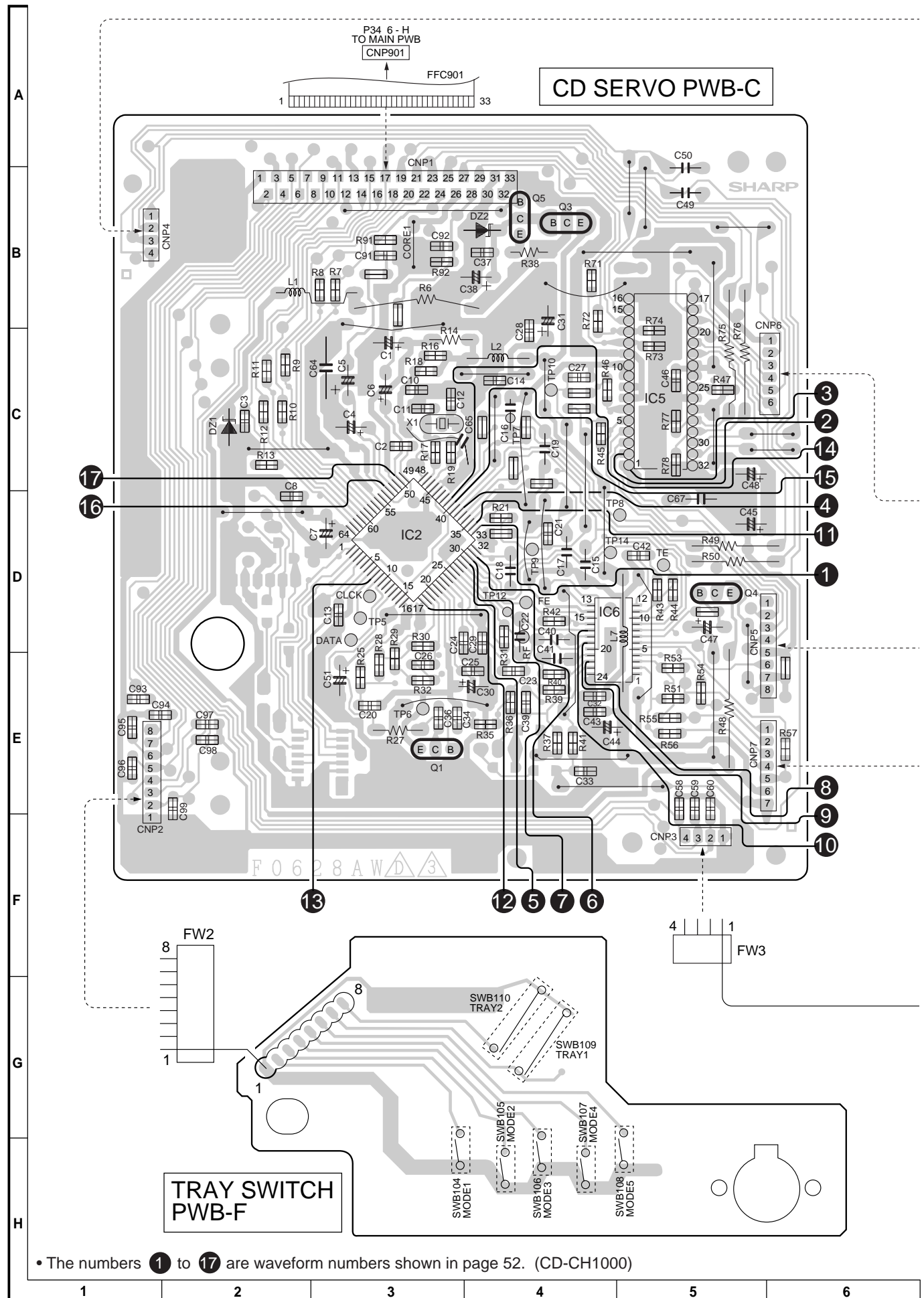


Figure 36 WIRING SIDE OF P.W.BOARD (6/9)

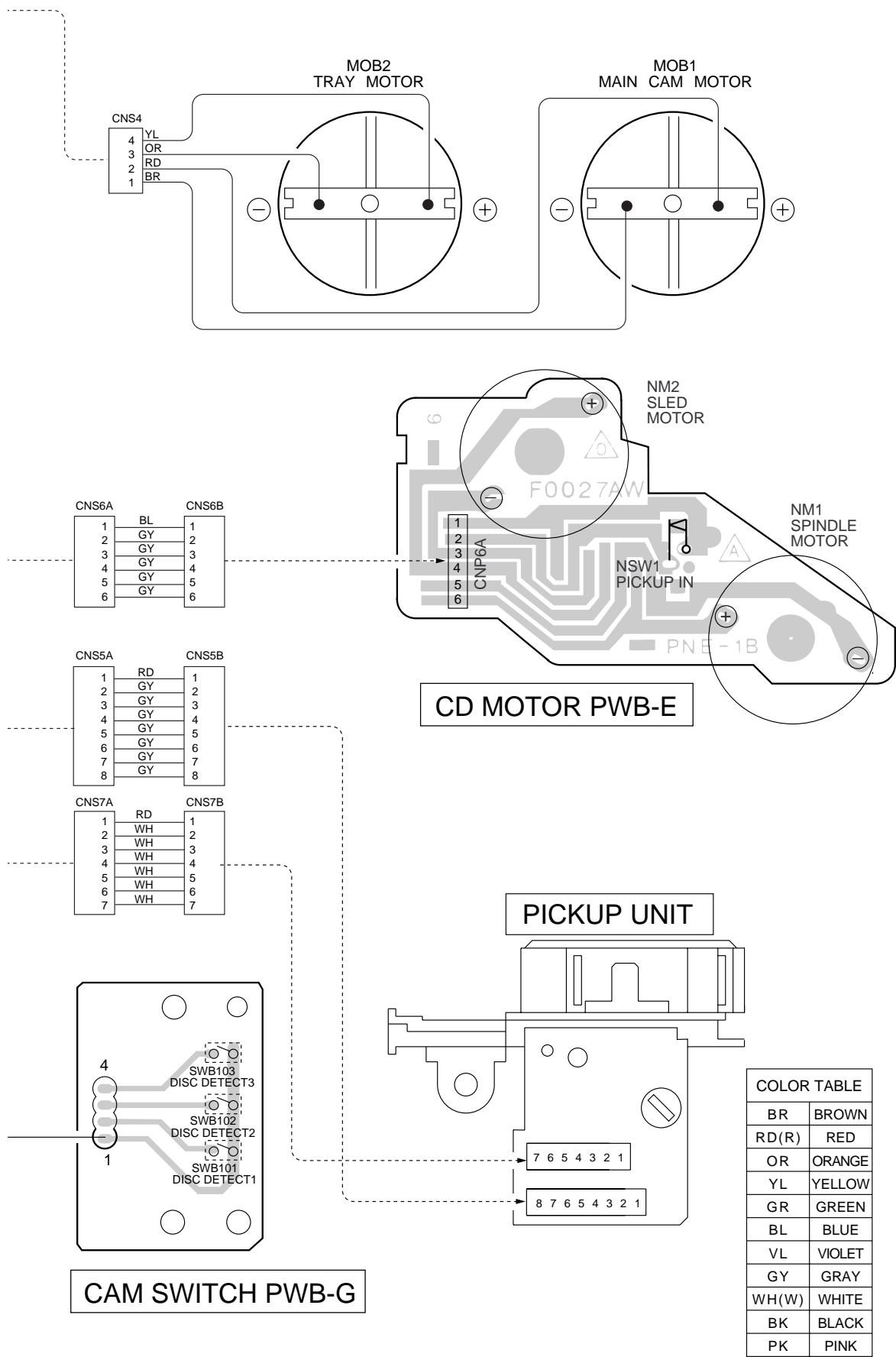


Figure 37 WIRING SIDE OF P.W.BOARD (7/9)

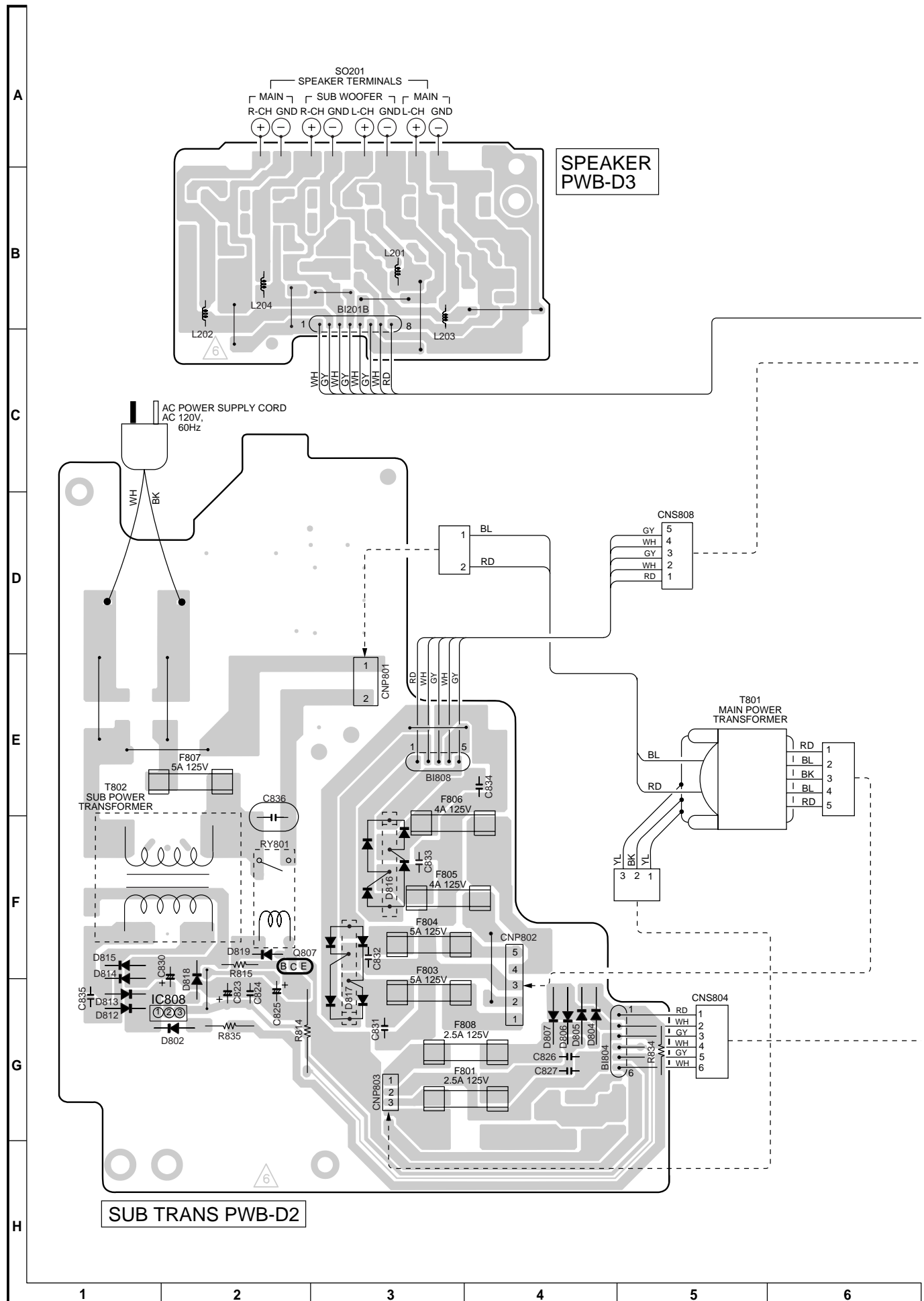
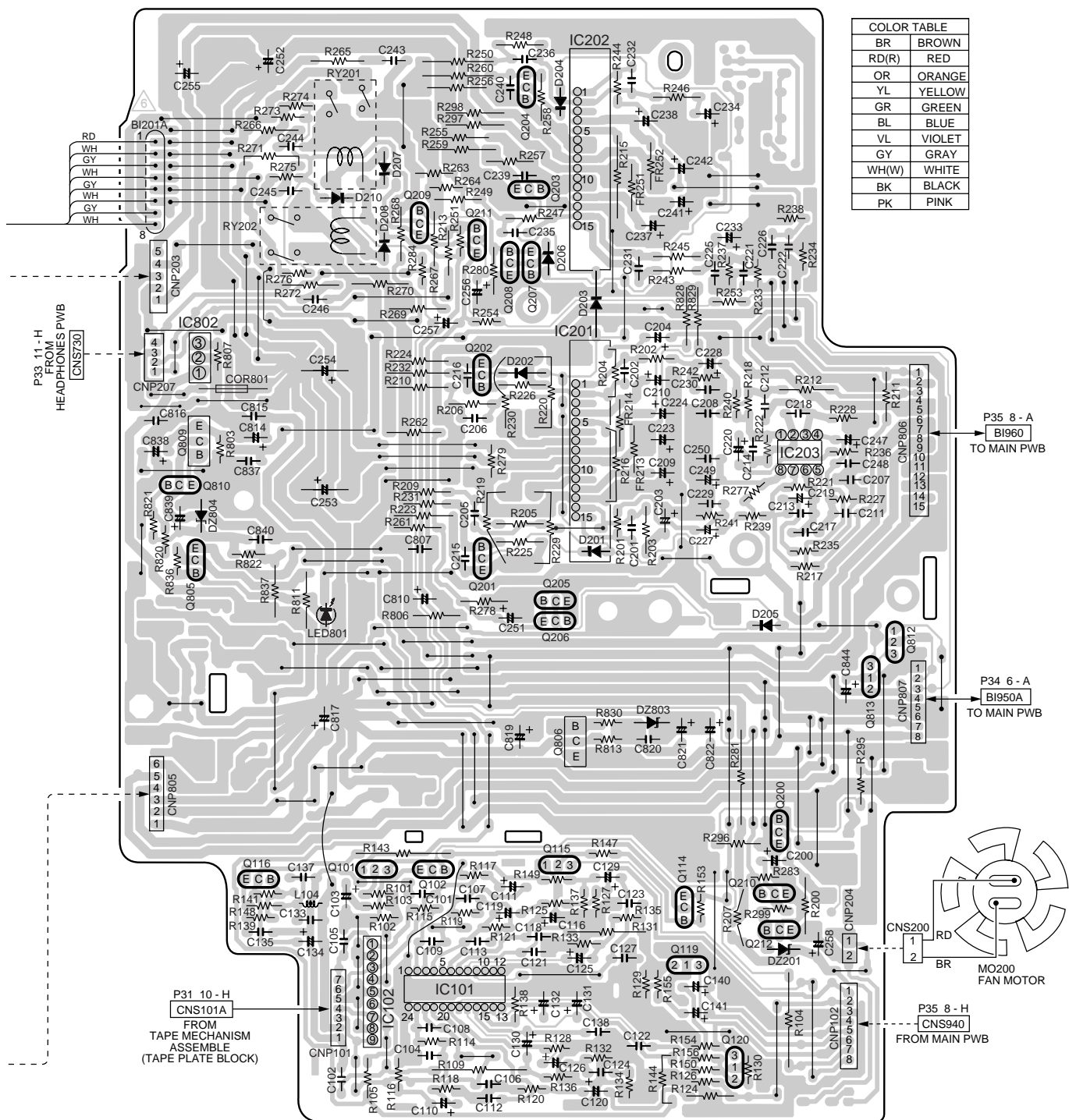


Figure 38 WIRING SIDE OF P.W.BOARD (8/9)



## POWER PWB-D1



**Figure 39 WIRING SIDE OF P.W.BOARD (9/9)**



## FUNCTION TABLE OF IC

## IC2 VHiTC9490F/-1: Servo/Signal Control (TC9490F) (1/2)

Pin No.	Terminal Name	Input/Output	Function															
1*	BCK	Output	Bit clock output terminal. 32fs, 48fs or 64fs can be selected by command.															
2*	LRCK	Output	L/R channel clock output terminal. L channel: "L", R channel: "H". the output polarity can be inverted by command.															
3*	AOUT	Output	Audio data output terminal. MSB/LSB fast can be selected by command.															
4*	DOUT	Output	Digital out output terminal. Up to double speed can be output.															
5*	IPF	Output	Correction flag output terminal. When the correction impossible symbol appears if the AOUT output corresponds to the C2 correction output: "H".															
6	DVDD	—	Digital 3.3V power supply terminal.															
7	DVSS	—	Digital GND terminal.															
8*	SBOK	Output	Subcode Q data CRCC decision result output terminal. When the decision result is OK: "H".															
9*	CLCK	Input/Output	Clock input/output terminal for subcodes P-W data reading. The input/output polarity can be selected by command.															
10*	DATA	Output	Subcodes P-W data output terminal.															
11*	SFSY	Output	Playback system frame sync signal output terminal.															
12*	SBSY	Output	Subcode block sync output terminal. In the S1 position when the subcode sync is detected: "H".															
13,14*	/HSO,/UHSO	Output	Playback speed mode flag output terminal. <table><tr><td>/UHSO</td><td>/HSO</td><td>Playback speed</td></tr><tr><td>H</td><td>H</td><td>Normal speed playback</td></tr><tr><td>H</td><td>L</td><td>Double speed playback</td></tr><tr><td>L</td><td>L</td><td>4-time speed playback</td></tr><tr><td>—</td><td>—</td><td>—</td></tr></table>	/UHSO	/HSO	Playback speed	H	H	Normal speed playback	H	L	Double speed playback	L	L	4-time speed playback	—	—	—
/UHSO	/HSO	Playback speed																
H	H	Normal speed playback																
H	L	Double speed playback																
L	L	4-time speed playback																
—	—	—																
15	PVDD	—	3.3V power supply terminal for PLL system.															
16	PDO	Output	EFM signal/PLCK signal phase error signal output terminal.															
17	TMAX	Output	TMAX detection result output terminal. <table><tr><td>TMAX detection result</td><td>TMAX output</td></tr><tr><td>Longer than the specified period</td><td>"PVDD3"</td></tr><tr><td>Within the specified period</td><td>"Hi-z"</td></tr><tr><td>Shorter than the specified period</td><td>"AVSS3"</td></tr></table>	TMAX detection result	TMAX output	Longer than the specified period	"PVDD3"	Within the specified period	"Hi-z"	Shorter than the specified period	"AVSS3"							
TMAX detection result	TMAX output																	
Longer than the specified period	"PVDD3"																	
Within the specified period	"Hi-z"																	
Shorter than the specified period	"AVSS3"																	
18	LPFN	Input	Amp's inversion input terminal for PLL system low-pass filter.															
19	LPFO	Output	Amp's output terminal for PLL system low-pass filter.															
20	PVREF	—	VREF terminal only for PLL system.															
21	VCOF	Output	Filter terminal for VCO.															
22	AVSS	—	Analog GND terminal.															
23	SLCO	Output	DAC output terminal for data slice level generation.															
24	RFI	Input	RF signal input terminal. Zin can be selected by command.															
25	AVDD	—	Analog 3.3V power supply terminal.															
26	RFCT	Input	RFRP signal center level input terminal.															
27	RFZI	Input	Input terminal for RFRP signal zero crossing.															
28	RFRP	Input	RF ripple signal terminal.															
29	FEI	Input	Focus error signal input terminal.															
30	SBAD	Input	Sub-beam addition signal input terminal.															
31	TEI	Input	Tracking error input terminal. Fetch when the tracking servo is on.															
32	TEZI	Input	Input terminal for tracking error signal zero crossing.															
33	FOO	Output	Focus equalizer output terminal.															
34	TRO	Output	Tracking equalizer output terminal.															
35	VREF	—	Analog reference power supply terminal.															
36	RFGC	Output	RF amplitude adjustment control signal output terminal.															
37	TEBC	Output	Tracking balance control signal output terminal.															
38	SEL	Output	APC circuit ON/OFF signal output terminal. When the laser is on, UHS="L": "Hi-z", UHS="H": "H" output.															

In this unit, the terminal with asterisk mark (\*) is (open) terminal which is not connected to the outside.

## IC2 VHiTC9490F/-1: Servo/Signal Control (TC9490F) (2/2)

Pin No.	Terminal Name	Input/Output	Function
39	AVDD3	—	Analog 3.3V power supply terminal.
40	FMO	Output	Feed equalizer output terminal.
41	DMO	Output	Disc equalizer output terminal.
42	DVSS	—	Digital GND terminal.
43	DVDD	—	Digital 3.3V power supply terminal.
44	TESIN	Input	Test input terminal. Usually "L" fixed.
45	XVSS	—	GND terminal for system clock oscillation circuit.
46	XI	Input	System clock oscillation circuit input terminal.
47	XO	Output	System clock oscillation circuit output terminal.
48	XVDD	—	3.3V power supply terminal for system clock oscillation circuit.
49	DVSS	—	GND terminal for D/A converter.
50	RO	Output	R channel data normal rotation output terminal.
51	DVDD	—	3.3V power supply terminal for D/A converter.
52	DVR	—	Reference voltage terminal.
53	LO	Output	L channel data normal rotation output terminal.
54	DVSS	—	D/A converter section GND terminal.
55*	ZDET	Output	1-bit D/A converter 0 detection flag output terminal.
56	VSS	—	GND terminal for microcomputer interface.
57-60	BUS0-BUS3	Input/Output	Data input/output terminal for microcomputer interface.
61	BUCK	Input	Clock input terminal for microcomputer interface.
62	/CCE	Input	Chip enable signal input terminal for microcomputer interface. In case of "L", BUS3-0 are active.
63	/RST	Input	Reset signal input terminal. Reset: "L".
64	VDD	—	5V power supply terminal for microcomputer interface.

In this unit, the terminal with asterisk mark (\*) is (open) terminal which is not connected to the outside.

**Note:**

AI/F: Analog input/output terminal

3-5I/F: Terminal with a built-in 3-5 interface (5V system input/output terminal)

3I/F: 3V system input/output terminal

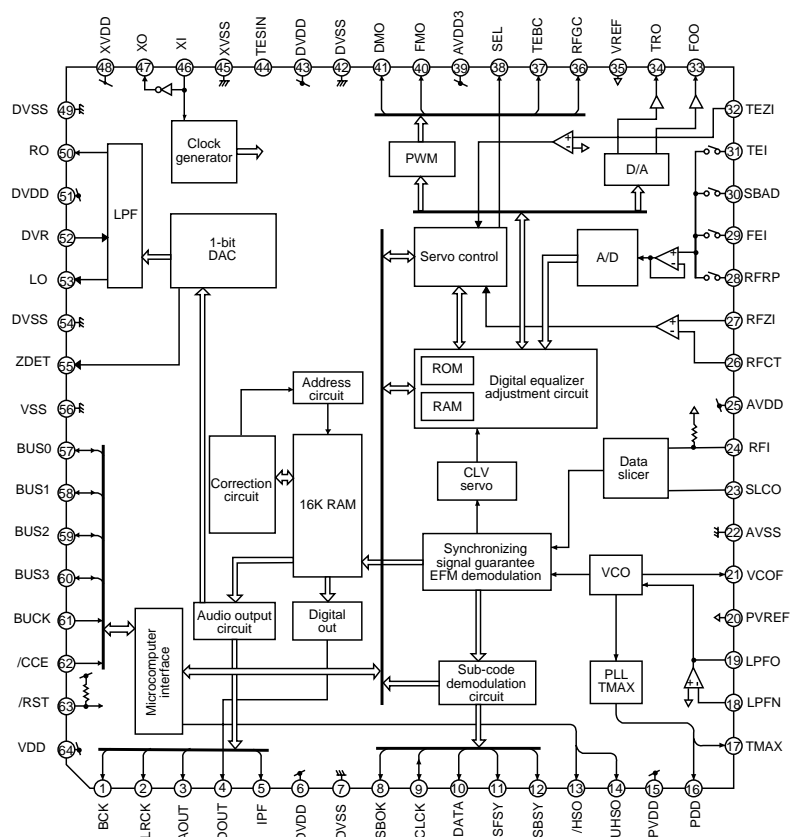


Figure 41 BLOCK DIAGRAM OF IC

CD-CH1500

IC6 VHiTA2147F/-1: Servo Pre Amp. (TA2147F)

Pin No.	Terminal Name	Input/Output	Function												
1	VCC	—	3.3V power supply terminal												
2	FNI	Input	Main beam amp input terminal												
3	FPI	Input	Main beam amp input terminal												
4	TPI	Input	Sub-beam amp input terminal												
5	TNI	Input	Sub-beam amp input terminal												
6	MDI	Input	Monitor photodiode amplifier input terminal												
7	LDO	Output	Laser diode amp output terminal												
8	SEL	Input	APC circuit ON/OFF signal, LDO terminal control input terminal and bottom/peak detection frequency switching terminal <table><tr><td>SEL</td><td>APC circuit</td><td>LDO</td></tr><tr><td>GND</td><td>OFF</td><td>Connection to VCC via 1kΩ</td></tr><tr><td>Hi-z</td><td>ON</td><td>Control signal output</td></tr><tr><td>VCC</td><td>ON</td><td>Control signal output</td></tr></table>	SEL	APC circuit	LDO	GND	OFF	Connection to VCC via 1kΩ	Hi-z	ON	Control signal output	VCC	ON	Control signal output
SEL	APC circuit	LDO													
GND	OFF	Connection to VCC via 1kΩ													
Hi-z	ON	Control signal output													
VCC	ON	Control signal output													
9	TEB	Input	Tracking error balance adjustment signal input terminal • TEBC input voltage												
10	TEN	Input	Tracking error signal generation amp antiphase input terminal												
11	TEO	Output	Tracking error signal generation amp output terminal												
12	SBAD	Output	RF signal peak detection output terminal												
13	GVSW	Input	AGC, FE, TE amp gain switching terminal <table><tr><td>GVSW</td><td>Mode</td></tr><tr><td>GND</td><td>CD-RW</td></tr><tr><td>Hi-z</td><td>CD-DA</td></tr><tr><td>VCC</td><td>CD-CA</td></tr></table>	GVSW	Mode	GND	CD-RW	Hi-z	CD-DA	VCC	CD-CA				
GVSW	Mode														
GND	CD-RW														
Hi-z	CD-DA														
VCC	CD-CA														
14	VRO	Output	Reference voltage (VRO) output terminal • VCC=3.3V: VRO=1/2 VCC												
15	FEO	Output	Focus error signal generation amp output terminal												
16	FEN	Input	Focus error signal generation amp antiphase input terminal												
17	RFRP	Output	Signal generation amp output terminal for track count												
18	RFIS	Input	Signal generation amp input terminal for track count												
19	RFGO	Output	RF signal amplitude adjustment amp output terminal												
20	RFGC	Input	RF amplitude adjustment control signal input terminal • RFGC input voltage												
21	AGCI	Input	RF signal amplitude adjustment amp input terminal												
22	RFO	Output	RF signal generation amp output terminal												
23	RFN	Input	RF signal generation amp input terminal												
24	GND	—	GND terminal												

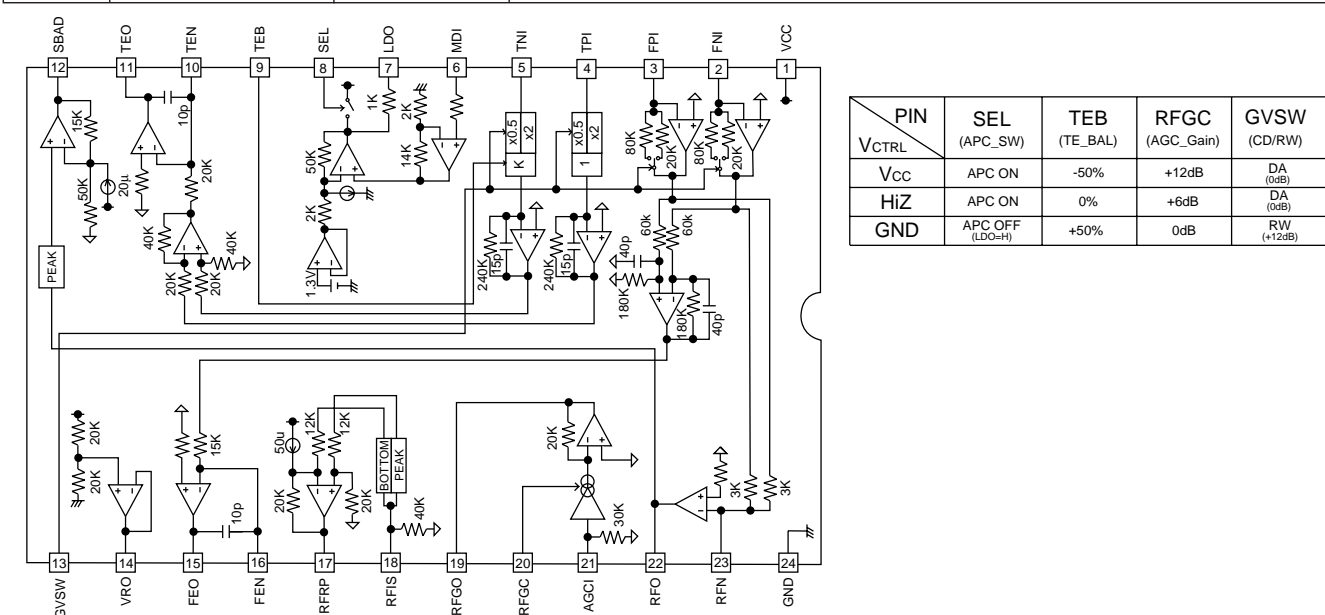


Figure 42 BLOCK DIAGRAM OF IC

## IC901 RH-iX0417AWZZ: System Microcomputer (IX0417AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P60/A16	PB MUTE	Output	Cassette playback mute
2	P62/A18	REC	Output	Recording output (Cassette)
3	P61/A17	REC BIAS	Output	Recording bias output (Cassette)
4	P63/A19	SMK SP1	Output	Span output for destination 1
5	P64/RD	T-MOTOR	Output	Cassette operation motor output
6	P65/WR	T-SOL	Output	Cassette solenoid output
7*	P66/WAIT	SMK SP2	Output	Span output for destination 2
8	P67/ASTB	RUN PULSE	Input	Pulse for tape running check
9	VDD	—	Input	To be connected to VDD
10	P100/T15/TO5	A-FP SW	Input	A side foolproof switch
11	P101/T16/TO6	B-FP SW	Input	B side foolproof switch
12	P102/T17/TO7	CAM SW	Input	Cassette CAM switch
13	P103/T18/TO8	CST SW	Input	Cassette detection switch
14	P30/TO0	CE	Output	Tuner chip enable
15	P31/TO1	SIMUKE	Input	Destination input
16*	P32/TO2	CD MUTE	Output	CD mute
17*	P33/TI1	SPSW	Input	Tuner span select
18	P34/TI2	DATA	Output	Extension port output
19	P35/TI00	CLK	Output	Extension port clock
20	P36/TI01	LCK1	Output	Extension port 1 latch clock
21	P37	LCK2	Output	Extension port 2 latch clock
22*	TEST/Vpp	—	Input	Not used
23*	P90	—	Output	Not used
24*	P91	—	Output	Not used
25*	P92	—	Output	Not used
26*	P93	—	Output	Not used
27*	P94	—	Output	Not used
28	P06/INTP6	POWER RLY	Output	POWER relay control
29*	P120/RTP0	—	Output	Not used
30*	P121/RTP1	—	Output	Not used
31*	P122/RTP2	—	Output	Not used
32	P123/RTP3	TIMER LED	Output	LED output for timer
33	P124/RTP4	DIMMER	Output	LCD backlight
34	P125/RTP5	SYS-MUTE	Output	System mute output
35	P126/RTP6	C FUTA CL	Input	Panel close switch
36	P127/RTP7	C FUTA OP	Input	Panel open switch
37	Vdd	—	Input	Connected to VDD
38	X2	—	Output	8 MHz sera - lock
39	X1	—	Input	8 MHz sera - lock
40	Vss	—	Input	Ground potential to be connected to VSS
41	XT2	—	Output	32.768 kHz crystal
42	XT1	—	Input	32.768 kHz crystal
43	RESET	—	Input	Reset input
44	P00/INTP0	REMOCON	Input	Remote control signal input
45	P01/INTP1	JOG-A	Input	JOG A input
46	P02/INTP2/NMI	JOG-B	Input	JOG B input
47	P03/INTP3	SYS_STOP	Input	Power failure detection
48	P04/INTP4	PROTECT	Input	Speaker abnormal detection
49	P05/INTP5	SP RLY	Output	Speaker relay
50	P95	POWER KKY	Input	POWER key input
51	Avdd	—	—	Analog power supply

In this unit, the terminal with asterisk mark (\*) is (open) terminal which is not connected to the outside.

## CD-CH1500

### IC901 RH-iX0417AWZZ: System Microcomputer (IX0417AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
52	AVref0	—	—	Analog reference potential 0
53	P10/ANI0	KEY0	Input	Key input 0 (AD port)
54	P11/ANI1	KEY1	Input	Key input 1 (AD port)
55	P12/ANI2	KEY2	Input	Key input 2 (AD port)
56	P13/ANI3	KEY3	Input	Key input 3 (AD port)
57	P14/ANI4	KEY4	Input	Key input 4 (AD port)
58	P15/ANI5	LEVEL_L	Input	Level meter input L-ch
59	P16/ANI6	VSM	Input	Tuner state input
60	P17/ANI7	LEVEL_R	Input	Level meter input R-ch
61	Avss	—	—	Analog GND
62	P130/ANO0	TAPE MECHA	Input	Tape mecha select single/reverse
63*	P131/ANO1	—	Output	Not used
64	AVref1	—	Input	Analog reference potential 1
65*	P70/RxD2/SI2	RX	Input	Not used
66*	P71/TxD2/SO2	TX	Output	Not used
67*	P72/ASCK2/SCK2	—	Input	Not used
68	P20/RxD1/SI1	TUNER DI	Input	Tuner data input
69	P21/TxD1/SO1	TUNER DO	Output	Tuner data output
70	P22/ASCK1/SC	TUNER CL	Output	Tuner clock output
71*	P23/PCL	—	Output	Not used
72*	P24/BUZ	—	Output	Not used
73	P25/SI0/SDA0	LCD R/W	Input/Output	Control output read/write to LCD driver
74*	P26/SO0	—	Output	Not used
75	P27/SCK0/SCL0	LCD E	Output	Control output clock to LCD driver
76	P80/A0	FH A-SW E	Input	CAM A switch e
77	P81/A1	FH A-SW D	Input	CAM A switch d
78	P82/A2	FH A-SW C	Input	CAM A switch c
79	P83/A3	FH A-SW B	Input	CAM A switch b
80	P84/A4	FH A-SW A	Input	CAM A switch a
81	P85/A5	FH T-SW A	Input	TRAY identification switch a
82	P86/A6	FH T-SW B	Input	TRAY identification switch b
83	P87/A7	FH T-SW C	Input	TRAY identification switch c
84	P40/AD0	FH C-SW B	Input	CAM C switch b
85	P41/AD1	FH C-SW A	Input	CAM C switch a
86	P42/AD2	CD CCE	Output	CD LSI chip enable
87	P43/AD3	CD BUCK	Output	CD LSI clock
88	P44/AD4	CD BUS3	Input/Output	CD LSI data input/output
89	P45/AD5	CD BUS2	Input/Output	CD LSI data input/output
90	P46/AD6	CD BUS1	Input/Output	CD LSI data input/output
91	P47/AD7	CD BUS0	Input/Output	CD LSI data input/output
92	P50/A8	CD RESET	Output	CD LSI reset
93	P51/A9	CD RW	Output	CD-RW reproduction switching
94	P52/A10	CD PICK IN	Input	CD pickup inner switch input
95	P53/A11	FH MOTOR	Output	Tray motor forward rotation
96	P54/A12	FH MOTOR	Output	Tray motor reverse rotation
97	P55/A13	FH MOTOR	Output	CAM motor forward rotation
98	P56/A14	FH MOTOR	Output	CAM motor reverse rotation
99	P57/A15	REC MUTE	Output	TAPE REC mute
100	Vss	—	Input	Ground potential connected to VSS

In this unit, the terminal with asterisk mark (\*) is (open) terminal which is not connected to the outside.

**IC702 VHiBU2092F/-1: Input/Output Expander (BU2092F)**

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VSS	—	Input	GND
2	DATA	—	Input	Serial data input
3	CLOCK	—	Input	Serial clock input
4	LCK	—	Input	Latch clock input
5	Q0	LED_EG	Output	Panel LED
6	Q1	LED1	Output	Stop LED
7	Q2	LED2	Output	< REV PLY
8	Q3	LED3	Output	<< LED
9	Q4	LED4	Output	>> LED
10	Q5	LED5	Output	> I I LED
11	Q6	CD LED 6	Output	CD 6 LED
12	Q7	CD LED 5	Output	CD 5 LED
13	Q8	CD LED 4	Output	CD 4 LED
14	Q9	CD LED 3	Output	CD 3 LED
15	Q10	CD LED 2	Output	CD 2 LED
16	Q11	CD LED 1	Output	CD 1 LED
17	OE	—	Output	Output enable
18	VDD	—	Input	Power supply

**IC912 VHiBU2092F/-1: Input/Output Expander (BU2092F)**

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VSS	—	Input	GND
2	DATA	—	Input	Serial data input
3	CLK	—	Input	Serial clock input
4	LCK	—	Input	Latch clock input
5	Q0	CD_POWER	Output	For CD power control
6*	Q1	—	Output	Not used
7*	Q2	—	Output	Not used
8*	Q3	—	Output	Not used
9	Q4	—	Output	Not used
10*	Q5	LCD RESET	Output	LCD reset
11*	Q6	P-CON	Output	Panel control output switching
12	Q7	MOV PNL CL	Output	Panel control output
13	Q8	MOV PNL OP	Output	Panel control output open
14	Q9	FAN	Output	Fan motor ON/OFF
15	Q10	—	Output	Not used
16	Q11	—	Output	Not used
17	OE	—	Output	Output enable
18	VDD	—	Input	Power supply

In this unit, the terminal with asterisk mark (\*) is (open) terminal which is not connected to the outside.

**CD-CH1500**

**— M E M O —**



# SHARP PARTS GUIDE

## AUDIO TOWER SYSTEM

### MODEL CD-CH1500

CD-CH1500 Audio Tower System consisting of CD-CH1500 (main unit) and CP-RW5500 (speaker system).

#### “HOW TO ORDER REPLACEMENT PARTS”

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

#### For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,  
Please call Toll-Free;  
1-800-BE-SHARP

### Explanation of capacitors/resistors parts codes

#### Capacitors

- VCC ..... Ceramic type  
VCK..... Ceramic type  
VCT ..... Semiconductor type  
VC •• MF ..... Cylindrical type (without lead wire)  
VC •• MN ..... Cylindrical type (without lead wire)  
VC •• TV ..... Square type (without lead wire)  
VC •• TQ ..... Square type (without lead wire)  
VC •• CY ..... Square type (without lead wire)  
VC •• CZ ..... Square type (without lead wire)  
VC ..... J .. The 13th character represents capacity difference.  
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,  
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

#### Resistors

- VRD ..... Carbon-film type  
VRS ..... Carbon-film type  
VRN ..... Metal-film type  
VR •• MF ..... Cylindrical type (without lead wire)  
VR •• MN ..... Cylindrical type (without lead wire)  
VR •• TV ..... Square type (without lead wire)  
VR •• TQ ..... Square type (without lead wire)  
VR •• CY ..... Square type (without lead wire)  
VR •• CZ ..... Square type (without lead wire)  
VR ..... J .. The 13th character represents error.  
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

#### NOTE:

Parts marked with “△” are important for maintaining the safety of the set.  
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

## CD-CH1500

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
<b>CD-CH1500</b>				
<b>INTEGRATED CIRCUITS</b>				
IC2	VHITC9490F/-1	J	AX	Servo/Signal Control,TC9490F
IC5	VHIBA5939S/-1	J	AH	Focus/Tracking/Spin/Sled Driver, BA5939S
IC6	VHITA2147F/-1	J	AM	Servo Pre Amp.,TA2147F
IC101	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC102	VHIBA3126N/-1	J	AF	Head Selector,BA3126N
IC201	VHISTK40271/-1	J	AZ	Power AMP.,STK40271
IC202	VHISTK40204/-1	J	AX	Power AMP.,STK40204
IC203	VHIKIA4558P/-1	J	AC	Ope Amp.,KIA4558P
IC301	VHITA7358AP/-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF, LA1832S
IC502	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC503	VHINJM4558M/-1	J	AC	Motor Driver,NJM4558M
IC701	VHITA7291S/-1	J	AH	Loading Motor Driver,TA7291S
IC702	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
IC802	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810AP
IC808	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805AP
IC901	RH-IX0417AWZZ	J	AY	System Microcomputer, IX0417AW
IC905	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC912	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
IC913	VHIKIA7805AP1	J	AF	Voltage Regulator,KIA7805AP

## TRANSISTORS

Q1	VS2SC1740R/-1	J	AB	Silicon,NPN,2SC1740 R
Q3	VS2SD2012//1	J	AD	Silicon,NPN,2SD2012
Q4	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q5	VSKRA102M//1	J	AC	Digital,PNP,KRA102 M
Q101	VSKRA107M//1	J	AE	Digital,PNP,KRA107 M
Q102	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q114	VS2SA1015GR-1	J	AB	Silicon,PNP,2SA1015 GR
Q115	VSKRC104M//1	J	AC	Digital,NPN,KRC104 M
Q116	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q119,120	VSDTC363TS/-1	J	AC	Digital,NPN,DTC363 TS
Q200	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q201~211	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q212	VS2SA562-Y/-1	J	AC	Silicon,PNP,2SA562 Y
Q302	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y
Q351	VSKRC104M//1	J	AC	Digital,NPN,KRC104 M
Q360	VS2SB562-C/-1	J	AD	Silicon,PNP,2SB562 C
Q371	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q501,502	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q507,508	VSDTC363TS/-1	J	AC	Digital,NPN,DTC363 TS
Q509	VSKRA107M//1	J	AE	Digital,PNP,KRA107 M
Q707	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q708	VSKRA102M//1	J	AC	Digital,PNP,KRA102 M
Q720~725	VSKRA102M//1	J	AC	Digital,PNP,KRA102 M
Q805	VSKTC2026//1	J	AF	Silicon,NPN,KTC2026
Q806	VSKTA1046Y+-1	J	AF	Silicon,PNP,KTA1046 Y
Q807	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q809	VS2SD2012//1	J	AD	Silicon,NPN,2SD2012
Q810	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q812,813	VSKRA107M//1	J	AE	Digital,PNP,KRA107 M
Q901	VSKRC102M//1	J	AC	Digital,NPN,KRC102 M
Q905	VS2SB561-C/-1	J	AC	Silicon,PNP,2SB561 C
Q906,907	VSKRC107M//1	J	AC	Digital,NPN,KRC107 M
Q908	VS2SB561-C/-1	J	AC	Silicon,PNP,2SB561 C
Q909	VSKRC107M//1	J	AC	Digital,NPN,KRC107 M
Q954,955	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR

## DIODES

D201~208	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D210	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D301~306	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D310~312	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D352	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D507,508	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D802	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
△ D804~807	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D812~815	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
△ D816,817	VHDS1S6B04GM-1	J	AP	Silicon,TS6B04GM

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
D818,819	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D901,902	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D905~907	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D910	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D951	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D953,954	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
DZ1	VHEMTZJ5R1A-1	J	AB	Zener,5.1V,MTZJ5.1A
DZ2	VHEMTZJ3R9B-1	J	AC	Zener,3.9V,MTZJ3.9B
DZ201	VHEMTZJ5R6B-1	J	AD	Zener,5.6V,MTZJ5.6B
DZ351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
DZ803	VHEMTZJ9R1B-1	J	AB	Zener,9.1V,MTZJ9.1B
DZ804	VHEMTZJ100B-1	J	AB	Zener,10V,MTZJ10B
LED731	VHPLHMP1700-1	J	AC	LED,Red,HLMP1700
LED735	VHPLNG995PF-1	J	AT	LED,Blue,LNG995PF
LED737,738	VHPLNG995PF-1	J	AT	LED,Blue,LNG995PF
LED754~759	VHPK5052UL/-1	J	AD	LED,Green,K5052UL
LED770	VHPL934MBC5-1	J	AL	LED,White,L934MBC5
LED772~775	VHPK5052UL/-1	J	AD	LED,Green,K5052UL
LED786	VHPK5052UL/-1	J	AD	LED,Green,K5052UL
LED801	VHPK5052UL/-1	J	AD	LED,Green,K5052UL

## FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF302	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

## TRANSFORMERS

T302	RCILA0062AWZZ	J	AC	AM Antenna
T306	RCILB0066AWZZ	J	AD	AM Oscillation
T311	RCILB0065AWZZ	J	AC	FM Oscillation
T312	RCILI0017AWZZ	J	AB	FM IF
T351	RCILI0019AWZZ	J	AD	AM IF
△ T801	RTRNP0315AWZZ	J	BF	Power,Main
△ T802	RTRNP0312AWZZ	J	AM	Power,Sub

## COILS

L1,2	VP-DHR82M0000	J	AB	0.82 μH,Playback PLL
L7	VP-DHR82M0000	J	AB	0.82 μH,Playback PLL
L104	VP-MK331K0000	J	AB	330 μH,Choke
L201~204	RCILZ0137AFZZ	J	AA	0.29 μH
L312	RCILR0056AWZZ	J	AB	FM RF
L342	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
L351,352	VP-DH101K0000	J	AB	100 μH,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L501,502	VP-DH2R2K0000	J	AB	2.2 μH,Peaking
L702	VP-XH2R2K0000	J	AB	2.2 μH,Choke
L705	VP-XH2R2K0000	J	AB	2.2 μH,Choke
L901	VP-DH101K0000	J	AB	100 μH,Choke
L910	VP-YF470K0000	J	AB	47 μH,Choke

## VARIABLE RESISTOR

VR351	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [FM Mute Level]
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## VARIABLE CAPACITORS

VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCSVC211C/-1	J	AG	Variable Capacitance,SVC211C

## VIBRATORS

X1	RCRSP0005AWZZ	J	AF	Crystal,16.934 MHz
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
X901	RCRM-0038AFZZ	J	AD	Ceramic,600 kHz
X902	RCRSP0011AWZZ	J	AC	Crystal,32.768 kHz

## CAPACITORS

C1	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C2,3	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C4	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C5,6	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic
C7	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C8	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C10	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C11	VCCSMN1HL150J	J	AA	15 pF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C12	VCCSMN1HL220J	J	AA	22 pF,50V	C247	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C13,14	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C248	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C15~17	VCKYPA1HF473Z	J	AB	0.047 μF,50V	C249	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C18	VCQYKA1HM333J	J	AB	0.033 μF,50V,Mylar	C250	VCQYKA1HM223K	J	AB	0.022 μF,50V,Mylar
C19	VCKYPA1HF473Z	J	AB	0.047 μF,50V	C251	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C20	VCCSMN1HL470J	J	AA	47 pF,50V	C252	VCEAZW1HW228M	J	AH	2200 μF,50V,Electrolytic
C21	VCKYMN1HB102K	J	AA	0.001 μF,50V	C253,254	RC-EZ0027AWZZ	J	AN	3300 μF,63V,Electrolytic
C22	VCQYKA1HM333J	J	AB	0.033 μF,50V,Mylar	C255	VCEAZW1HW228M	J	AH	2200 μF,50V,Electrolytic
C23	VCTYMN1CY103K	J	AA	0.01 μF,16V	C256	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C24	VCTYMN1CX272K	J	AA	0.0027 μF,16V	C257	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C25	VCTYMN1CY103K	J	AA	0.01 μF,16V	C258	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C26	VCTYMN0JY153M	J	AA	0.015 μF,6.3V	C301	VCKYCY1HB102K	J	AA	0.001 μF,50V
C27	VCTYMN1CX472K	J	AA	0.0047 μF,16V	C303	VCCCCY1HH100D	J	AA	10 pF (CH),50V
C28,29	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C304	VCKYCY1HB103K	J	AA	0.01 μF,50V
C30	VCEAZA1AW476M	J	AB	47 μF,10V,Electrolytic	C305	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V
C31	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C306	VCKYBT1HB102K	J	AA	0.001 μF,50V
C32,33	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C308	VCCCCY1HH5R0C	J	AA	5 pF (CH),50V
C34	VCCSMN1HL220J	J	AA	22 pF,50V	C309	VCKYCY1HB102K	J	AA	0.001 μF,50V
C36	VCCSMN1HL270J	J	AA	27 pF,50V	C310~312	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C37	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C313	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C38	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C314,315	VCKYCY1HB472K	J	AA	0.0047 μF,50V
C39	VCCSMN1HL3R9C	J	AA	3.9 pF,50V	C316	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C40,41	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar	C317	VCKYCY1HB102K	J	AA	0.001 μF,50V
C42	VCTYMN1CX682K	J	AA	0.0068 μF,16V	C318	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C43	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C319	VCTYPA1EX104K	J	AB	0.1 μF,25V
C44	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C320	VCTYPA1EX473K	J	AA	0.047 μF,25V
C45	VCEAZA1AW477M	J	AC	470 μF,10V,Electrolytic	C321	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C46	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C323	VCKYCY1HB223K	J	AB	0.022 μF,50V
C47,48	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C324	VCCCCY1HH4R0C	J	AA	4 pF (CH),50V
C49,50	VCTYPA1HF104Z	J	AB	0.1 μF,50V	C325	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C51	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C326	VCCCCY1HH180J	J	AA	18 pF (CH),50V
C58~60	VCKYMN1HB101K	J	AA	100 pF,50V	C327	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C64,65	VCKYBT1HB102K	J	AA	0.001 μF,50V	C330	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C67	VCKYPA1HB102K	J	AA	0.001 μF,50V	C331	VCKYPA1HF473Z	J	AB	0.047 μF,50V
C91,92	VCKYMN1HB471J	J	AB	470 pF,50V	C332	VCKYCY1HB223K	J	AA	0.022 μF,50V
C93~99	VCKYMN1HB101K	J	AA	100 pF,50V	C334	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C101,102	VCKYPA1HB181K	J	AA	180 pF,50V	C335	VCCCCY1HH331J	J	AA	330 pF (CH),50V
C103	VCEAZA1CW106M	J	AC	10 μF,16V,Electrolytic	C337	VCKYCY1EB223K	J	AB	0.022 μF,25V
C104,105	VCKYPA1HB561K	J	AA	560 pF,50V	C338	VCKYCY1HB102K	J	AA	0.001 μF,50V
C106,107	VCTYPA1EX333K	J	AA	0.033 μF,25V	C339	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C108,109	VCCSPA1HL331J	J	AA	330 pF,50V	C341	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C110,111	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C342	VCKYCY1EB223K	J	AB	0.022 μF,25V
C112,113	VCKYPA1HB561K	J	AA	560 pF,50V	C343	VCCCCY1HH330J	J	AA	33 pF (CH),50V
C116	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic	C345~347	VCKYCY1EB223K	J	AB	0.022 μF,25V
C118	VCKYPA1HF223Z	J	AB	0.022 μF,50V	C350	VCKYCY1CB473K	J	AA	0.047 μF,16V
C119,120	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C351	VCKYCY1EB223K	J	AB	0.022 μF,25V
C121,122	VCKYPA1HB271K	J	AA	270 pF,50V	C352	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C123,124	VCKYPA1EX223K	J	J	0.022 μF,25V	C353,354	VCKYCY1EB223K	J	AB	0.022 μF,25V
C125,126	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic	C355	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C127	VCKYPA1HB332K	J	AA	0.0033 μF,50V	C356	VCKYCY1HB102K	J	AA	0.001 μF,50V
C129,130	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C357	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C131	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic	C358	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C132	VCEAZA1CW227M	J	AC	220 μF,16V,Electrolytic	C361	VCKYCY1EB223K	J	AB	0.022 μF,25V
C133	VCQYKA1HM393K	J	AB	0.039 μF,50V,Mylar	C362	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C134	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C363	VCKYCY1EB223K	J	AB	0.022 μF,25V
C135	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar	C364	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C137	VCQPKA2AA822J	J	AA	0.0082 μF,100V,Polypropylene	C365	VCKYCY1EB223K	J	AB	0.022 μF,25V
C138	VCKYPA1HB332K	J	AA	0.0033 μF,50V	C366	VCKYCY1HB102K	J	AA	0.001 μF,50V
C140,141	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C367,368	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C200	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic	C370~372	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C201,202	VCCSPA1HL221J	J	AA	220 pF,50V	C373,374	VCKYCY1HB153K	J	AA	0.015 μF,50V
C203,204	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic	C380	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C205,206	VCCSPA1HL150J	J	AA	15 pF,50V	C381	VCCCCY1HH120J	J	AA	12 pF (CH),50V
C207,208	VCFYHA1HA154J	J	AC	0.15 μF,50V,Thin Film	C382	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C209,210	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic	C384	VCKYCY1HB102K	J	AA	0.001 μF,50V
C211,212	VCQYKA1HM154K	J	AB	0.15 μF,50V,Mylar	C385	VCKYCY1HB103K	J	AA	0.01 μF,50V
C213,214	VCKYPA1HF223Z	J	AB	0.022 μF,50V	C386	VCCCCY1HH331J	J	AA	330 pF (CH),50V
C215,216	VCKZPA1HF223Z	J	AA	0.022 μF,50V	C387	VCKYCY1EB223K	J	AB	0.022 μF,25V
C217,218	VCCCPA1HH101J	J	AA	100 pF (CH),50V	C389,390	VCKYCY1HB102K	J	AA	0.001 μF,50V
C219,220	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C391	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C221,222	VCQYKA1HM153K	J	AB	0.015 μF,50V,Mylar	C392	VCKYCY1HB102K	J	AA	0.001 μF,50V
C223,224	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C393	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C225,226	VCCCPA1HH221J	J	AA	220 pF (CH),50V	C394	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C227,228	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic	C395	VCKYCY1EB223K	J	AB	0.022 μF,25V
C229,230	VCFYHA1HA154J	J	AC	0.15 μF,50V,Thin Film	C396	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C231,232	VCCSPA1HL221J	J	AA	220 pF,50V	C397	VCKYCY1EB223K	J	AB	0.022 μF,25V
C233,234	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C398	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C235,236	VCCSPA1HL150J	J	AA	15 pF,50V	C399	VCKYCY1EB223K	J	AB	0.022 μF,25V
C237,238	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic	C501,502	VCKYCY1HB102K	J	AA	0.001 μF,50V
C239,240	VCKZPA1HF223Z	J	AA	0.022 μF,50V	C503	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C241,242	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C509,510	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C243~246	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar	C511~514	VCFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C515,516	VCQYKA1HM272K	J	AA	0.0027 μF,50V,Mylar
C517~528	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C529,530	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C531,532	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C533,534	VCCCCY1HH470J	J	AA	47 pF (CH),50V
C535	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C536	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C537	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C540,541	VCKYCY1HB391K	J	AA	390 pF,50V
C550,551	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C562	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C563	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C564	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C566	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C573,574	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C597,598	VCKYCY1HB272K	J	AA	0.0027 μF,50V
C599	VCKYCY1HB102K	J	AA	0.001 μF,50V
C703	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C704,705	VCCSPA1HL100J	J	AA	10 pF,50V
C706	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C707	VCKYBT1HB101K	J	AA	100 pF,50V
C708	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C709	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C710,711	VCCCPA1HH101J	J	AA	100 pF (CH),50V
C712	VCKYBT1HB102K	J	AA	0.001 μF,50V
C713	VCKYPA1HB102K	J	AA	0.001 μF,50V
C714	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C715	VCTYPA1CX104K	J	AB	0.1 μF,16V
C716	VCEAEA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C807	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C810	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C814	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C815,816	VCIFYHA1HA104J	J	AB	0.1 μF,50V,Thin Film
C817	VCEAZW1EW688M	J	AL	6800 μF,25V,Electrolytic
C819	VCEAZV1EW477M	J	AC	470 μF,25V,Electrolytic
C820	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C821	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic
C822	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C823	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C824	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C825	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
C826,827	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C830	VCEAZV1VW477M	J	AD	470 μF,35V,Electrolytic
C831~835	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
△ C836	RC-KZ002LAWZZ	J	AE	0.0047 μF,250V,Ceramic
C837	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C838	VCEAZA1CW227M	J	AC	220 μF,16V,Electrolytic
C839	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C840	VCKYPA1HF223Z	J	AB	0.022 μF,50V
C844	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C901	VCEAZA0JW108M	J	AC	1000 μF,6.3V,Electrolytic
C902	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C903	VCEAZA1HW104M	J	AB	0.1 μF,50V,Electrolytic
C904	VCKYCY1HB103K	J	AA	0.01 μF,50V
C905	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C906	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C907	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C912	VCEAZA1CW476M	J	AB	47 μF,16V,Electrolytic
C913	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C914	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C916,917	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C925,926	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C936	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C941	VCCCCY1HH220J	J	AA	22 pF (CH),50V
C942	VCCCCY1HH180J	J	AA	18 pF (CH),50V
C943	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C945	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C950	VCCCCY1HH151J	J	AA	150 pF (CH),50V
C957	VCCCCY1HH151J	J	AA	150 pF (CH),50V
C958	VCKYCY1HB391K	J	AA	390 pF,50V
C964	VCTYPA1HF104Z	J	AB	0.1 μF,50V
C970	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C974	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C975	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C976	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C977,978	VCCCCY1HH101J	J	AA	100 pF (CH),50V
C998	RC-GZA226AF1A	J	AB	22 μF,10V,Electrolytic
C1001,1002	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C1003	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C1004,1005	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C1006	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C1007,1008	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic

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C1013	VCTYBT1EF223Z	J	AA	0.022 μF,25V
RESISTORS				
	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
	VRS-CY1JB000J	J	AA	0 ohm,Jumper,0.8×1.55mm,Green
△ FR213,214	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
△ FR251,252	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
J728	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R6	VRD-ST2EE121J	J	AA	120 ohms,1/4W
R7~13	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R14	VRD-ST2CD820J	J	AA	82 ohms,1/6W
R16	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R17	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R18	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R19	VRD-MN2BD105J	J	AA	1 Mohm,1/8W
R21	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R25	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R27	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R28	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R29	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R30	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W
R31	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R32	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R35	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R36	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R37	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R38	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R39	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R40	VRD-MN2BD101J	J	AA	100 ohm,1/8W
R41	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R42	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R43	VRD-MN2BD821J	J	AA	820 ohms,1/8W
R44	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R45	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R46	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R47	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R48	VRD-ST2EE100J	J	AA	10 ohm,1/4W
R49,50	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R51	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R53	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R54	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R55,56	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R57	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R71,72	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R73,74	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R75,76	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R77,78	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R91,92	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R101	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R102,103	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R104	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R105	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R109	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R114,115	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R116,117	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R118,119	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R120,121	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R124,125	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R126,127	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R128	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R129,130	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R131	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R132,133	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
R134,135	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R136~138	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R139	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R141	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R143	VRD-ST2EE820J	J	AA	82 ohms,1/4W
R144	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R147	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R148	VRD-ST2CD477J	J	AA	4.7 ohms,1/6W
R149	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R150	VRD-ST2CD682J	J	AA	6.8 kohms,1/6W
R153,154	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R155,156	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R200	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R201,202	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R203,204	VRD-ST2CD821J	J	AA	820 ohms,1/6W
R205,206	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R207	VRD-RT2HD120J	J	AA	12 ohms,1/2W
R209,210	VRD-ST2CD102J	J	AA	1 kohm,1/6W



NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
R211,212	VRD-ST2CD183J	J AA	18 kohms,1/6W	R399	VRD-ST2CD103J	J AA	10 kohm,1/6W
R213	VRD-ST2CD101J	J AA	100 ohm,1/6W	R501,502	VRD-ST2CD331J	J AA	330 ohms,1/6W
R215,216	VRD-ST2CD223J	J AA	22 kohms,1/6W	R503,504	VRS-CY1JB222J	J AA	2.2 kohms,1/16W
R217,218	VRD-ST2CD183J	J AA	18 kohms,1/6W	R507	VRS-CY1JB223J	J AA	22 kohms,1/16W
R219,220	VRN-VV3DAR22J	J AC	0.22 ohms,2W	R511,512	VRS-CY1JB822J	J AA	8.2 kohms,1/16W
R221,222	VRD-ST2CD472J	J AA	4.7 kohms,1/6W	R513,514	VRS-CY1JB122J	J AA	1.2 kohms,1/16W
R223,224	VRN-VV3AAR10J	J AB	0.1 ohm,1W	R524~526	VRD-ST2CD102J	J AA	1 kohm,1/6W
R225,226	VRD-ST2CD103J	J AA	10 kohm,1/6W	R527,528	VRS-CY1JB222J	J AA	2.2 kohms,1/16W
R227,228	VRD-ST2CD822J	J AA	8.2 kohms,1/6W	R529~534	VRS-CY1JB392J	J AA	3.9 kohms,1/16W
R229,230	VRN-VV3DAR22J	J AC	0.22 ohms,2W	R535,536	VRS-CY1JB473J	J AA	47 kohms,1/16W
R231,232	VRD-ST2CD102J	J AA	1 kohm,1/6W	R537,538	VRS-CY1JB102J	J AA	1 kohm,1/16W
R233,234	VRD-ST2CD104J	J AA	100 kohm,1/6W	R539,540	VRS-CY1JB103J	J AA	10 kohm,1/16W
R235,236	VRD-ST2CD182J	J AA	1.8 kohms,1/6W	R541,542	VRS-CY1JB152J	J AA	1.5 kohms,1/16W
R237,238	VRD-ST2CD683J	J AA	68 kohms,1/6W	R543,544	VRS-CY1JB473J	J AA	47 kohms,1/16W
R239,240	VRD-ST2CD102J	J AA	1 kohm,1/6W	R547,548	VRS-CY1JB222J	J AA	2.2 kohms,1/16W
R241,242	VRD-ST2CD683J	J AA	68 kohms,1/6W	R549,550	VRS-CY1JB393J	J AA	39 kohms,1/16W
R243,244	VRD-ST2CD102J	J AA	1 kohm,1/6W	R551,552	VRS-CY1JB473J	J AA	47 kohms,1/16W
R245,246	VRD-ST2CD821J	J AA	820 ohms,1/6W	R582	VRS-CY1JB223J	J AA	22 kohms,1/16W
R247,248	VRD-ST2CD563J	J AA	56 kohms,1/6W	R591,592	VRS-CY1JB473J	J AA	47 kohms,1/16W
R249,250	VRD-ST2CD102J	J AA	1 kohm,1/6W	R701~706	VRD-ST2CD102J	J AA	1 kohm,1/6W
R251	VRD-ST2CD103J	J AA	10 kohm,1/6W	R707,708	VRD-ST2CD272J	J AA	2.7 kohms,1/6W
R253	VRD-ST2CD102J	J AA	1 kohm,1/6W	R710,711	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R254	VRD-ST2CD103J	J AA	10 kohm,1/6W	R712	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R255,256	VRN-VV3AAR10J	J AB	0.1 ohm,1W	R713~715	VRD-ST2CD102J	J AA	1 kohm,1/6W
R257,258	VRD-ST2CD103J	J AA	10 kohm,1/6W	R720,721	VRD-ST2CD682J	J AA	6.8 kohms,1/6W
R259,260	VRD-ST2CD102J	J AA	1 kohm,1/6W	R723	VRD-ST2CD182J	J AA	1.8 kohms,1/6W
R261~264	VRD-ST2CD563J	J AA	56 kohms,1/6W	R726	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R265,266	VRD-RT2HD4R7J	J AA	4.7 ohms,1/2W	R728,729	VRD-ST2CD153J	J AA	15 kohms,1/6W
R267~270	VRD-RT2HD331J	J AA	330 ohms,1/2W	R730,731	VRD-ST2CD102J	J AA	1 kohm,1/6W
R271,272	VRD-RT2HD4R7J	J AA	4.7 ohms,1/2W	R733	VRD-ST2CD182J	J AA	1.8 kohms,1/6W
R273~276	VRD-ST2CD223J	J AA	22 kohms,1/6W	R735,736	VRD-ST2CD333J	J AA	33 kohms,1/6W
R277	VRD-ST2CD331J	J AA	330 ohms,1/6W	R747	VRD-ST2CD102J	J AA	1 kohm,1/6W
R278	VRD-ST2CD563J	J AA	56 kohms,1/6W	R748	VRD-ST2CD103J	J AA	10 kohm,1/6W
R279	VRD-ST2CD223J	J AA	22 kohms,1/6W	R749	VRD-ST2CD102J	J AA	1 kohm,1/6W
R280	VRD-ST2CD563J	J AA	56 kohms,1/6W	R750	VRD-ST2CD101J	J AA	100 ohm,1/6W
R281	VRD-RT2HD120J	J AA	12 ohms,1/2W	R752~754	VRD-ST2CD122J	J AA	1.2 kohms,1/6W
R283	VRD-ST2CD474J	J AA	470 kohms,1/6W	R755~757	VRD-ST2CD152J	J AA	1.5 kohms,1/6W
R284	VRD-ST2CD102J	J AA	1 kohm,1/6W	R758~760	VRD-ST2CD182J	J AA	1.8 kohms,1/6W
R295	VRD-ST2CD102J	J AA	1 kohm,1/6W	R761	VRD-ST2CD331J	J AA	330 ohms,1/6W
R296	VRD-ST2CD224J	J AA	220 kohms,1/6W	R762	VRS-CY1JB682J	J AA	6.8 kohms,1/16W
R297,298	VRD-ST2CD223J	J AA	22 kohms,1/6W	R763	VRS-CY1JB272J	J AA	2.7 kohms,1/16W
R299	VRD-ST2CD392J	J AA	3.9 kohms,1/6W	R764~766	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R302	VRD-ST2CD100J	J AA	10 ohm,1/6W	R767	VRD-ST2CD102J	J AA	1 kohm,1/6W
R309	VRD-ST2CD103J	J AA	10 kohm,1/6W	R768	VRD-RT2HD2R2J	J AA	2.2 ohms,1/2W
R311	VRS-CY1JB104J	J AA	100 kohm,1/16W	R769~771	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R313	VRS-CY1JB333J	J AA	33 kohms,1/16W	R772	VRD-ST2CD102J	J AA	1 kohm,1/6W
R314	VRD-ST2CD220J	J AA	22 ohms,1/6W	R773~775	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R322	VRS-CY1JB271J	J AA	270 ohms,1/16W	R776	VRD-ST2CD102J	J AA	1 kohm,1/6W
R323	VRS-CY1JB683J	J AA	68 kohms,1/16W	R777~779	VRD-ST2CD822J	J AA	8.2 kohms,1/6W
R325	VRS-CY1JB473J	J AA	47 kohms,1/16W	R780	VRD-ST2CD102J	J AA	1 kohm,1/6W
R327	VRD-ST2CD330J	J AA	33 ohms,1/6W	R781~783	VRD-ST2CD183J	J AA	18 kohms,1/6W
R336	VRD-ST2CD103J	J AA	10 kohm,1/6W	R785	VRD-ST2CD473J	J AA	47 kohms,1/6W
R345	VRD-ST2CD472J	J AA	4.7 kohms,1/6W	R787	VRD-ST2CD102J	J AA	1 kohm,1/6W
R350	VRS-CY1JB272J	J AA	2.7 kohms,1/16W	R788	VRD-ST2CD331J	J AA	330 ohms,1/6W
R351	VRD-ST2CD562J	J AA	5.6 kohms,1/6W	R789	VRD-ST2EE151J	J AA	150 ohms,1/4W
R352	VRS-CY1JB102J	J AA	1 kohm,1/16W	R790	VRD-ST2EE331J	J AA	330 ohms,1/4W
R353	VRS-CY1JB271J	J AA	270 ohms,1/16W	R791,792	VRD-ST2CD272J	J AA	2.7 kohms,1/6W
R354	VRS-CY1JB392J	J AA	3.9 kohms,1/16W	R803	VRD-ST2CD223J	J AA	22 kohms,1/6W
R355	VRS-CY1JB332J	J AA	3.3 kohms,1/16W	R806,807	VRD-ST2CD223J	J AA	22 kohms,1/6W
R356	VRS-CY1JB102J	J AA	1 kohm,1/16W	R811	VRD-RT2HD3R3J	J AA	3.3 ohms,1/2W
R357	VRS-CY1JB474J	J AA	470 kohms,1/16W	R813	VRD-ST2CD152J	J AA	1.5 kohms,1/6W
R358	VRS-CY1JB822J	J AA	8.2 kohms,1/16W	R814	VRD-ST2CD101J	J AA	100 ohm,1/6W
R359	VRS-CY1JB182J	J AA	1.8 kohms,1/16W	R815	VRD-ST2CD473J	J AA	47 kohms,1/6W
R360	VRD-ST2CD472J	J AA	4.7 kohms,1/6W	R820,821	VRD-ST2CD471J	J AA	470 ohms,1/6W
R361,362	VRS-CY1JB183J	J AA	18 kohms,1/16W	R822	VRD-ST2CD152J	J AA	1.5 kohms,1/6W
R363,364	VRS-CY1JB122J	J AA	1.2 kohms,1/16W	R828,829	VRD-ST2CD223J	J AA	22 kohms,1/6W
R369	VRD-ST2EE821J	J AA	820 ohms,1/4W	R830	VRD-ST2CD101J	J AA	100 ohm,1/6W
R370	VRD-ST2CD102J	J AA	1 kohm,1/6W	R834,835	VRD-RT2HD560J	J AA	56 ohms,1/2W
R371	VRS-CY1JB472J	J AA	4.7 kohms,1/16W	R836	VRD-ST2EE271J	J AA	270 ohms,1/4W
R372~374	VRS-CY1JB102J	J AA	1 kohm,1/16W	R837	VRD-RT2HD3R3J	J AA	3.3 ohms,1/2W
R376	VRS-CY1JB102J	J AA	1 kohm,1/16W	R901~903	VRD-ST2CD102J	J AA	1 kohm,1/6W
R377	VRS-CY1JB473J	J AA	47 kohms,1/16W	R904	VRS-CY1JB102J	J AA	1 kohm,1/16W
R378	VRS-CY1JB823J	J AA	82 kohms,1/16W	R905,906	VRD-ST2CD102J	J AA	1 kohm,1/6W
R379	VRS-CY1JB222J	J AA	2.2 kohms,1/16W	R908	VRD-ST2CD102J	J AA	1 kohm,1/6W
R380	VRS-CY1JB152J	J AA	1.5 kohms,1/16W	R910~913	VRS-CY1JB102J	J AA	1 kohm,1/16W
R381	VRS-CY1JB103J	J AA	10 kohm,1/16W	R914~916	VRD-ST2CD102J	J AA	1 kohm,1/6W
R382	VRD-ST2EE151J	J AA	150 ohms,1/4W	R918~921	VRS-CY1JB102J	J AA	1 kohm,1/16W
R383~385	VRS-CY1JB562J	J AA	5.6 kohms,1/16W	R928	VRS-CY1JB102J	J AA	1 kohm,1/16W
R389	VRS-CY1JB392J	J AA	3.9 kohms,1/16W	R932,933	VRS-CY1JB102J	J AA	1 kohm,1/16W
R391,392	VRD-ST2EE391J	J AA	390 ohms,1/4W	R934	VRD-ST2CD102J	J AA	1 kohm,1/6W
R393	VRS-CY1JB102J	J AA	1 kohm,1/16W	R935,936	VRS-CY1JB102J	J AA	1 kohm,1/16W
R395	VRS-CY1JB473J	J AA	47 kohms,1/16W	R941	VRS-CY1JB334J	J AA	330 kohms,1/16W

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R943,944	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R946~948	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R949	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R953,954	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R955~959	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R960	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R962	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R965,966	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R968~970	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R976~981	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R982	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R984~988	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R989	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R990	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R991	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R992~994	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R995	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R996~998	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R999	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R1001	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R1002	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1003	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R1007	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1008	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R1011	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1012	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1013	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R1014	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1015	VRS-CY1JB821J	J	AA	820 ohms,1/16W
R1016,1017	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1023	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1024	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1026,1027	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1028	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R1031,1032	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1035,1036	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R1044	VRS-CY1JB223J	J	AA	22 kohms,1/16W
R1046	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R1048	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1050~1052	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1053~1057	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1058	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1060	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R1062	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W
R1065,1066	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1068	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R1071,1072	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R1081,1082	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R1084~1090	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R1092~1094	VRS-CY1JB562J	J	AA	5.6 kohms,1/16W
R1105	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R1106~1109	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1112,1113	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R1118,1119	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R1124	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R1129,1130	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W
R1131,1132	VRS-CY1JB221J	J	AA	220 ohms,1/16W
R1133	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R1138,1139	VRS-CY1JB564J	J	AA	560 kohms,1/16W
R1140	VRD-ST2EE2R2J	J	AA	2.2 ohms,1/4W
R1141	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R1142	VRD-ST2EE2R2J	J	AA	2.2 ohms,1/4W
RA710,711	VRD-ST2CD151J	J	AA	150 ohms,1/6W

## OTHER CIRCUITRY PARTS

BI201A/B	QCNWN1658AWZZ	J	AF	Connector Ass'y,8/8Pin
BI702/CNS702	QCNWN1823AWZZ	J		Connector Ass'y,6/6Pin
BI705A/B	QCNWN1674AWZZ	J	AD	Connector Ass'y,2/2Pin
BI720/CNS720	QCNWN1665AWZZ	J	AH	Connector Ass'y,11/11Pin
BI730/CNS730	QCNWN1675AWZZ	J	AE	Connector Ass'y,4/4Pin
BI740A/B	QCNWN1673AWZZ	J	AE	Connector Ass'y,3/3Pin
BI741/CNS741	QCNWN1666AWZZ	J	AG	Connector Ass'y,5/5Pin
BI770/CNS770	QCNWN1667AWZZ	J	AG	Connector Ass'y,7/7Pin
BI771A/B	QCNWN1684AWZZ	J	AE	Connector Ass'y,4/4Pin
BI772/CNS772	QCNWN1683AWZZ	J	AG	Connector Ass'y,6/6Pin
BI773/CNS773	QCNWN1682AWZZ	J	AD	Connector Ass'y,2/2Pin
BI804/CNS804	QCNWN1656AWZZ	J	AE	Connector Ass'y,6/6Pin
BI808/CNS808	QCNWN1655AWZZ	J	AE	Connector Ass'y,5/5Pin
BI940/CNS940	QCNWN1661AWZZ	J	AF	Connector Ass'y,8/8Pin
BI950	QCNCW010HAWZZ	J	AD	Socket,8Pin
BI960	QCNCW010QAWZZ	J	AE	Socket,15Pin

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
CNP1	QCNCWZF33AWZZ	J AF	Socket,33Pin
CNP2	QCNCW026HAWZZ	J AC	Socket,8Pin
CNP3	QCNCW026DAWZZ	J AC	Socket,4Pin
CNP4	92LCONE4P53254	J AC	Plug,4Pin
CNP5	QCNCM704HAWZZ	J AC	Plug,8Pin
CNP6	92LCONE6P53253	J AC	Plug,6Pin
CNP6A	92LCONE6P53254	J AC	Plug,6Pin
CNP7	QCNCM704GAWZZ	J AC	Plug,7Pin
CNP101	QCNCM704GAFZZ	J AC	Plug,7Pin
CNP102	QCNCM704HAFZZ	J AC	Plug,8Pin
CNP203	92LCONE5P5268	J AD	Plug,5Pin
CNP204	92LCONE2P53254	J AB	Plug,2Pin
CNP207	92LCONE4P53254	J AC	Plug,4Pin
CNP303	92LCONE3P5268	J AC	Plug,3Pin
CNP701	QCNCWZG05AWZZ	J AB	Socket,5Pin
CNP721	92LCONE6P53254	J AC	Plug,6Pin
CNP775	92LCONE2P53253	J AB	Plug,2Pin
CNP801	QCNCM049BAWZZ	J AC	Plug,2Pin
CNP802	QCNCM051EAWZZ	J AD	Plug,5Pin
CNP803	QCNCM035CAWZZ	J AB	Plug,3Pin
CNP805	92LCONE6P5268	J AC	Plug,6Pin
CNP806	QCNCM010QAWZZ	J AD	Plug,15Pin
CNP807	QCNCM010HAWZZ	J AC	Plug,8Pin
CNP901	QCNCWZF33AWZZ	J AF	Socket,33Pin
CNP931	92LCONPB11BPHK	J AC	Plug,11Pin
CNP933	92LCONE5P53253	J AB	Plug,5Pin
CNP934	92LCONE7P53253	J AC	Plug,7Pin
CNP935A	92LCONPB6BPHK	J AB	Plug,6Pin
CNP970	QCNCWZG12AWZZ	J AC	Socket,12Pin
CNS4	QCNCWN1692AWZZ	J AD	Connector Ass'y,4Pin
CNS5A/B	QCNCWN1690AWZZ	J AG	Connector Ass'y,8/8Pin
CNS6A/B	QCNCWN1668AWZZ	J AF	Connector Ass'y,6/6Pin
CNS7A/B	QCNCWN1689AWZZ	J AF	Connector Ass'y,7/7Pin
CNS101A/B	QCNCWN1670AWZZ	J AH	Connector Ass'y,6/6Pin
CNS200	QCNCWN1659AWZZ	J AC	Connector Ass'y,2Pin
COR801	RCORF0015AWZZ	J AB	Core
CORE1	RCORF0015AWZZ	J AB	Core
△ F801	QFS-D252BSJN1	J AB	Fuse,2.5A/125V
△ F803,804	QFS-D502BSJN1	J AE	Fuse,5A/125V
△ F805,806	QFS-D402BSJN1	J AB	Fuse,4A/125V
△ F807	QFS-D502BSJN1	J AE	Fuse,5A/125V
△ F808	QFS-D252BSJN1	J AB	Fuse,2.5A/125V
FFC901	QCNCWN1672AWZZ	J AF	Flat Cable,33Pin
FFC970	QCNCWN1686AWZZ	J AE	Flat Cable,12Pin
FW2	QCNCWN1691AWZZ	J AD	Flat Wire,8Pin
FW3	QCNCWN1693AWZZ	J AC	Flat Wire,4Pin
JK501	92LJACKL1776A	J AF	Jack,AUX IN
JK701	QJAKM0010AWZZ	J AF	Jack,Headphones
JOG701	QSW-Z0011AWZZ	J AG	Switch,Push Type [Jog Dial]
LCD720	RUNTZ0020AWZZ	J BC	LCD Display
MO200	RMOTV0027AWZZ	J AM	Motor,Air Cooling Fan
MO700	RMOTV0027AWZZ	J AM	Motor,Control Panel
MOB1	92LMTR3435DASY	J AM	Main Cam Motor Ass'y
MOB2	92LMTR3435DASY	J AM	Tray Motor Ass'y
NM1	92LMTR2996CASY	J AS	Motor with Chassis [Spindle]
NM2	92LMTR1854BASY	J AP	Motor with Gear [Sled]
NSW1	QSW-F9001AW01	J AD	Switch,Push Type [Pickup In]
RX701	VHLN64H380A-1	J AK	Remote Sensor,N64H380A
△ RY201,202	RRLYD0004AWZZ	J AP	Relay
△ RY801	RRLYD0001SJZZ	J AQ	Relay
SO201	QTANA0806AWZZ	J AG	Terminal,Speaker
SW701	92LSWICH1401AT	J AC	Switch,Key Type [Power]
SW705	QSW-B0002AWZZ	J AF	Switch,Lever Type [Open/Close]
SW710	92LSWICH1401AT	J AC	Switch,Key Type [Panel Open/Close]
SW711	92LSWICH1401AT	J AC	Switch,Key Type [Volume Down]
SW712	92LSWICH1401AT	J AC	Switch,Key Type [Volume Up]
SW720	92LSWICH1401AT	J AC	Switch,Key Type [CD1 Eject]
SW721	92LSWICH1401AT	J AC	Switch,Key Type [CD2 Eject]
SW722	92LSWICH1401AT	J AC	Switch,Key Type [CD3 Eject]
SW723	92LSWICH1401AT	J AC	Switch,Key Type [CD4 Eject]
SW724	92LSWICH1401AT	J AC	Switch,Key Type [CD5 Eject]
SW725	92LSWICH1401AT	J AC	Switch,Key Type [CD6 Eject]
SW730	92LSWICH1401AT	J AC	Switch,Key Type [CD1 Play]
SW731	92LSWICH1401AT	J AC	Switch,Key Type [CD2 Play]
SW732	92LSWICH1401AT	J AC	Switch,Key Type [CD3 Play]
SW733	92LSWICH1401AT	J AC	Switch,Key Type [CD4 Play]
SW734	92LSWICH1401AT	J AC	Switch,Key Type [CD5 Play]
SW735	92LSWICH1401AT	J AC	Switch,Key Type [CD6 Play]
SW750	92LSWICH1401AT	J AC	Switch,Key Type [R-Mode]
SW751	92LSWICH1401AT	J AC	Switch,Key Type [Clear]
SW752	92LSWICH1401AT	J AC	Switch,Key Type [Memory]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SW753	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Reverse]	132	NGERH0120AWZZ	J	AB	Gear,Stabilizer A
SW754	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Forward]	133	NSFTT0055AWM1	J	AH	Stabilizer Gear Ass'y
SW755	92LSWICH1401AT	J	AC	Switch,Key Type [Tape Record]	133- 1	NGERH0122AWZZ	J	AC	Gear,Stabilizer C
SW756	92LSWICH1401AT	J	AC	Switch,Key Type [Play/Pause]	133- 2	NSFTT0055AWFD	J	AG	Shaft,Stabilizer Gear
SW757	92LSWICH1401AT	J	AC	Switch,Key Type [Stop]	133- 3	NGERH0123AWZZ	J	AC	Gear,Stabilizer D
SW758	92LSWICH1401AT	J	AC	Switch,Key Type [Play]	134	NGERH0108AWZZ	J	AK	Gear,Tray Big
SW761	92LSWICH1401AT	J	AC	Switch,Key Type [AUX]	135	NGERH0109AWZZ	J	AB	Gear,Tray A
SW762	92LSWICH1401AT	J	AC	Switch,Key Type [Tuner]	136	NGERH0110AWZZ	J	AC	Gear,Tray B
SW763	92LSWICH1401AT	J	AC	Switch,Key Type [Tape]	137	NGERH0103AWZZ	J	AB	Gear,Motor Idler,C
SW764	92LSWICH1401AT	J	AC	Switch,Key Type [CD]	138	NGERH0102AWZZ	J	AC	Gear,Motor Idler,B
SW772	92LSWICH1401AT	J	AC	Switch,Key Type [Equalizer Mode]	139	NGERH0105AWZZ	J	AB	Gear,Motor Idler,E
SW773	92LSWICH1401AT	J	AC	Switch,Key Type [X-BASS]	140	NGERH0104AWZZ	J	AB	Gear,Motor Idler,D
SW778	92LSWICH1401AT	J	AC	Switch,Key Type [Enter]	141	NGERH0101AWZZ	J	AD	Gear,Motor Idler,A
SW783	92LSWICH1401AT	J	AC	Switch,Key Type [Play Mode]	142	NGERH0114AWZZ	J	AB	Gear,Tray C
SW784	92LSWICH1401AT	J	AC	Switch,Key Type [Display]	143	NGERH0107AWZZ	J	AC	Gear,Tray Drive,Front
SW786	92LSWICH1401AT	J	AC	Switch,Key Type [Menu]	144	NGERH0112AWZZ	J	AF	Gear,Tray Joint,Front
SWB101	QSW-P9005AWZZ	J	AD	Switch,Push Type [Disc Detect 1]	145	MLEVP0097AWZZ	J	AB	Lever,Left
SWB102	QSW-P9005AWZZ	J	AD	Switch,Push Type [Disc Detect 2]	146	NSFTT0056AWFD	J	AC	Shaft,Lift Lever
SWB103	QSW-P9005AWZZ	J	AD	Switch,Push Type [Disc Detect 3]	147	LHLDZ1270AWZZ	J	AH	Holder,Stabilizer
SWB104	QSW-P9003AWZZ	J	AD	Switch,Push Type [Mode 1]	148	PMAGF0001AWZZ	J	AF	Magnet
SWB105	QSW-P9003AWZZ	J	AD	Switch,Push Type [Mode 2]	149	LHLDZ1011AWZZ	J	AD	Stabilizer
SWB106	QSW-P9003AWZZ	J	AD	Switch,Push Type [Mode 3]	150	92LNBAND1318A	J	AA	Nylon Band,80mm
SWB107	QSW-P9003AWZZ	J	AD	Switch,Push Type [Mode 4]	151	QCNCW025DAWZZ	J	AB	Holder,Flat Wire,4Pin
SWB108	QSW-P9003AWZZ	J	AD	Switch,Push Type [Mode 5]	152	QCNCW025HAWZZ	J	AC	Holder,Flat Wire,8Pin
SWB109	QSW-P9004AWZZ	J	AE	Switch,Push Type [Tray 1]	801	XBPSD26P04000	J	AA	Screw,ø2.6×4mm
SWB110	QSW-P9004AWZZ	J	AE	Switch,Push Type [Tray 2]	802	XEBSD20P07000	J	AB	Screw,ø2×7mm
<b>CD MECHANISM PARTS</b>					803	XEBSD20P10000	J	AA	Screw,ø2×10mm
301	NGERH0011AWZZ	J	AC	Gear,Middle	804	XHBSD20P05000	J	AA	Screw,ø2×5mm
302	NGERH0012AWZZ	J	AC	Gear,Drive	805	LX-EZ0005AWFD	J	AA	Screw,ø2.6×10mm
303	MLEVP0080AWZZ	J	AC	Rail,Guide	806	LX-EZ0026AWFD	J	AB	Screw,ø2×9mm
304	NSFTM0020AWFW	J	AD	Shaft,Guide	807	LX-JZ0105AFFN	J	AA	Screw,ø1.7×5mm
305	92LMCUSN1524A	J	AD	Cushion	808	XEBSD30P10000	J	AA	Screw,ø3×10mm
△ 306	92LHPC1LXASY	J	BD	Pickup Unit Ass'y	MOB1	92LMTR3435DASY	J	AM	Main Cam Motor Ass'y
306- 1	—	—	—	Pickup Unit (Not Replacement Item)	MOB2	92LMTR3435DASY	J	AM	Tray Motor Ass'y
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack	<b>CABINET PARTS</b>				
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack	201	92LCAB3623AASY	J	—	Front Panel Ass'y
307	PCUSG0001AWSA	J	AD	Cushion	201- 1	—	—	—	Front Panel (Not Replacement Item)
308	PCUSG0004AWSA	J	AD	Cushion	201- 2	GDORF0081AWSA	J	AD	Door,Changer 1
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm	201- 3	GDORF0084AWSA	J	AD	Door,Changer 2
702	XHBSD20P05000	J	AA	Screw,ø2×5mm	201- 4	GDORF0085AWSA	J	AD	Door,Changer 3
703	XBBSD20P03000	J	AA	Screw,ø2×3mm	201- 5	GDORF0086AWSA	J	AD	Door,Changer 4
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm	201- 6	GDORF0087AWSA	J	AD	Door,Changer 5
NM1	92LMTR2996CASY	J	AS	Motor with Chassis [Spindle]	201- 7	GDORF0088AWSA	J	AD	Door,Changer 6
NM2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]	201- 8	HDECQ0597AWSA	J	AC	Panel,Changer Door
NSW1	QSW-F9001AW01	J	AD	Switch,Push Type [Pickup In]	201- 9	MLOK0005AWZZ	J	AK	Cassette Lock
<b>CHANGER MECHANISM PARTS</b>					201-10	JKNBZ0724AWSA	J	AF	Button,Power
101	LCHSM0106AWZZ	J	AQ	Main Base	201-11	JKNBZ0726AWSA	J	AG	Button,CD Play
102	PGIDM0033AWZZ	J	AH	Changer Box,Left	201-12	JKNBZ0735AWSA	J	AF	Button,Control Eject
103	PGIDM0034AWZZ	J	AG	Changer Box,Right	201-13	JKNBZ0741AWSA	J	AK	Button,CD Eject
104	NGERH0121AWZZ	J	AC	Gear,Stabilizer B	201-14	LHLDZ1271AWSA	J	AD	Holder,Changer Door
105	PGIDM0035AWZZ	J	AH	Bracket,Stabilizer Gear	201-15	LHLDZ1276AWZZ	J	AD	Holder,Cassette Lock
106	MLEVP0098AWZZ	J	AB	Lever,Tray Lock	201-16	MLIFP0008AWZZ	J	AC	Damper
107	MSPRP0040AWFW	J	AD	Spring,Tray Lock Lever	201-17	MSPRC0029AWFJ	J	AB	Spring,Cassette Lock
108	GCOVA1354AWZZ	J	AF	Disc Tray 1	201-18	MSPRD0140AWFJ	J	AC	Spring,Cassette Up
109	GCOVA1355AWZZ	J	AF	Disc Tray 2	201-19	MSPRD0141AWFJ	J	AB	Spring,Changer Door
110	GCOVA1356AWZZ	J	AF	Disc Tray 3	201-20	PCOVA1323AWSA	J	AB	Cover,Remote Sensor
111	GCOVA1357AWZZ	J	AF	Disc Tray 4	201-21	PCUSG0053AWSA	J	AB	Cushion,Center Panel
112	GCOVA1358AWZZ	J	AF	Disc Tray 5	202	92LCAB3435BASY	J	AP	Side Panel Ass'y,Left
113	GCOVA1359AWZZ	J	AF	Disc Tray 6	202- 1	—	—	—	Side Panel,Left (Not Replacement Item)
114	LPLTP0010AWZZ	J	AG	Top Plate,Rear	202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg,Left
115	MCAMP0009AWZZ	J	AE	Cam,Lift	203	92LCAB3435CASY	J	AP	Side Panel Ass'y,Right
116	NSFTT0057AWFD	J	AE	Shaft,Lift Cam	203- 1	—	—	—	Side Panel,Right (Not Replacement Item)
117	LPLTP0009AWZZ	J	AH	Top Plate,Front	203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg,Right
118	MLEVP0099AWZZ	J	AB	Lever,Disc OB	204	GCAB-1188AWSA	J	AN	Top Cabinet
119	NGERH0098AWZZ	J	AC	Gear,Stabilizer Drive,Left/Right	205	92LPNL3623AASY	J	—	Control Panel Ass'y
120	NGERH0099AWZZ	J	AC	Gear,Stabilizer Drive,Left	205- 1	GCOVA1311AWSA	J	AN	Control Panel A
121	MLEVF0055AWFW	J	AC	Lever,OS,Left/Right	205- 2	GCOVA1312AWSA	J	AB	Indicator A,Button
122	NGERH0100AWZZ	J	AC	Gear,Stabilizer Drive,Right	205- 3	GCOVA1313AWSA	J	AB	Indicator B,Button
123	MSPRT0040AWFJ	J	AB	Spring,OS Lever	205- 4	GDORF0106AWSA	J	AN	Control Panel B
124	NGERH0111AWZZ	J	AC	Gear,Tray Drive,Rear	205- 5	HDECQ0601AWSA	J	AM	Decoration Plate,Outer Window
125	NGERH0113AWZZ	J	AF	Gear,Tray Joint,Rear	205- 6	HDECQ0602AWSA	J	AG	Outer Window
126	NGERH0116AWZZ	J	AH	Gear,Mode Big	205- 7	HDECQ0603AWSA	J	AG	Inner Window
127	NGERH0117AWZZ	J	AC	Gear,Lift A	205- 8	HDECQ0604AWSA	J	AG	Ring,Jog Knob
128	NGERH0118AWZZ	J	AB	Gear,Lift B	205- 9	JKNBZ0727AWSA	J	AH	Button,Function
129	NGERH0119AWZZ	J	AF	Gear,Lift C	205-10	JKNBZ0734AWSA	J	AH	Button,Control
130	NGERH0115AWZZ	J	AC	Gear,Tray Idler	205-11	JKNBZ0730AWSA	J	AG	Button,Play Mode
131	NGERH0106AWZZ	J	AC	Gear,Motor Idler,F	205-12	JKNBZ0731AWSA	J	AG	Button,Menu



# CD-CH1500

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
205-13	JKNBZ0732AWSA	J	AE	Button,Enter
205-14	MSPRD0142AWFJ	J	AD	Spring,Control Panel
206	GEAR3435AASY1	J	AT	Gear Ass'y
206- 1	LHLDZ1261AWZZ	J	AE	Gear Box A
206- 2	LHLDZ1262AWZZ	J	AC	Gear Box B
206- 3	PSPA0023AWZZ	J	AC	Spacer,Warm Gear
206- 4	NGERH0097AWZZ	J	AC	Gear,Reduc.A
206- 5	NGERH0124AWZZ	J	AF	Gear,Reduc.B
206- 6	NGERW0013AWZZ	J	AC	Gear,Warm
206- 7	NGERW0014AWZZ	J	AF	Gear,Warm Wheel
207	GITAR0699AWSA	J	AQ	Rear Panel [Except for Canada]
207	GITAR0700AWSA	J		Rear Panel [For Canada]
208	HDECQ0715AWSA	J	AQ	Decoration Plate,Display Window
209	LANGK0197AWFW	J	AG	Bracket,Center Support
210	LANGK0253AWFW	J	AG	Bracket,Fan Motor Support
211	LANGK0258AWFW	J	AF	Bracket,Heat Sink Support
212	LANGK0200AWFW	J	AE	Bracket,PWB Support
213	LANGK0226AWFW	J	AD	Bracket,Panel Support,Left
214	LANGK0227AWFW	J	AD	Bracket,Panel Support,Right
215	LANGT0042AWFW	J	AC	Bracket,Power PWB/Main PWB
216	LBSHC0005AWZZ	J	AD	Bushing,AC Power Supply Cord
217	LCHSM0126AWFW	J	AW	Main Chassis
218	LCHSZ0017AWFW	J	AN	Chassis,Bottom
219	LHLDK9001AW00	J	AB	Poly Core Tie
220	GCOVA1314AWSA	J	AF	Cover,Changer Door Panel,Bottom
221	LHLDZ1272AWZZ	J	AC	Holder,Switch
222	PSPA00024AWZZ	J	AC	Spacer,LCD PWB
223	LHLDZ1265AWZZ	J	AC	Holder,LED,A
224	LHLDZ1266AWZZ	J	AC	Holder,LED,B
225	MSPRD0108AWFJ	J	AC	Spring,Fan Motor
226	NBRGC0003AWZZ	J	AC	Bearing Metal
227	NFANP0001AWZZ	J	AD	Rotary Fan,Motor
228	PCUSG0008AWZZ	J	AB	Cushion,Spacer
229	PCUSG0022AWZZ	J	AB	Cushion,Leg
230	PRDAR0163AWFW	J	AP	Heat Sink,Main
231	PRDAR0164AWFW	J	AS	Heat Sink,Sub A
232	PRDAR0165AWFW	J	AH	Heat Sink,Sub B
233	92LNBAND1318A	J	AA	Nylon Band,80mm
234	PSHEP0041AWZZ	J	AG	Sheet,LCD
235	LHLDZ1269AWZZ	J	AD	Holder,LCD
236	PSLDM3075AWFW	J	AD	Shield Plate,Power PWB
237	PSLDM3076AWFW	J	AF	Shield Plate,Phone
238	PSPA0003AWZZ	J	AC	Spacer,Fan Motor Support Bracket
△ 239	QACCD0022AWZZ	J	AM	AC Power Supply Cord
△ 240	QFSHD0001AWZZ	J	AB	Holder,Fuse
241	92LCSPR1431C	J	AA	Spring,Fan Ring
242	LHLDZ1274AWZZ	J	AC	Holder,LED,E
243	LHLDZ1268AWZZ	J	AC	Holder,LED,D
244	PCOVU1004AWZZ	J	AC	Cover,LCD
245	QCNWN1730AWZZ	J	AC	Lug Wire
246	PREFL0006AWSA	J	AG	Illuminator
247	PSHEP0050AWSA	J	AD	Colour Filter
248	GCOVA1329AWSA	J		Cover,Cassette Holder
249	GDORF0080AWSA	J	AG	Cassette Holder
250	KMECB0016AWZZ	J	BD	Tape Mechanism Ass'y
250- 1	92PF513-853	J	BL	Head Plate Block
250- 2	92PF525-332	J	BD	Motor with Pulley [Tape]
250- 3	92PF567-647	J	BA	Tape Mechanism PWB Ass'y
250- 4	92PFF19U-	J		Belt,Main
250- 5	92PF514-133	J	AL	Pinch Roller,Right
250- 6	92PF514-134	J	AL	Pinch Roller,Left
250- 7	92PFF19S-	J		Belt,FF/REW
250- 8	92PFD58M-	J		Gear,Cam
250- 9	92PF765-286	J	AR	Solenoid
251	HDECQ0717AWSA	J	AN	Center Window
252	LANGK0210AWFW	J	AB	Bracket,Headphones Support
253	LHLD01005AWZZ	J	AC	Holder,Soft,Left
254	LHLD01006AWZZ	J	AC	Holder,Soft,Right
255	PSHEM0010AWZZ	J	AC	Shield Sheet,Tape Head
256	PSHEM0009AWZZ	J	AC	Earth Sheet,Display PWB
257	MSPRZ0010AWFJ	J	AB	Spring,Display PWB
258	JKNBK0080AWSA	J	AG	Knob,Jog
601	LX-BZ0808AFZZ	J	AC	Screw,ø2×2.2mm
602	LX-BZ2222AXZZ	J	AB	Screw,Special
603	LX-EZ0028AWFN	J	AC	Screw,ø2.6×12mm
604	LX-HZ0082AFZZ	J	AA	Screw,ø4×8mm
605	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
606	XBBSD20P05000	J	AA	Screw,ø2×5mm
607	XEBSD26P10000	J	AA	Screw,ø2.6×10mm
608	XEBSD30P10000	J	AA	Screw,ø3×10mm
609	XEBSD30P14000	J	AA	Screw,ø3×14mm
610	XEBSD30P20000	J	AA	Screw,ø3×20mm

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
611	XESSD26P12000	J	AB	Screw,ø2.6×12mm
612	XESSD30P10000	J	AA	Screw,ø3×10mm
613	XESSN26P12000	J	AA	Screw,ø2.6×12mm
614	XJBSD30P08000	J	AA	Screw,ø3×8mm
615	XJBSD30P10000	J	AA	Screw,ø3×10mm
616	XJBSD30P14000	J	AA	Screw,ø3×14mm
617	XJBSEF30P10000	J	AA	Screw,ø3×10mm
618	XJBSEF30P16000	J	AA	Screw,ø3×16mm
619	XJSSD30P10000	J	AA	Screw,ø3×10mm
620	XWHSD32-10130	J	AA	Washer,ø3.2×ø13×1.0mm
621	XESSD30P14000	J	AA	Screw,ø3×14mm
622	XEBSEF26P10000	J	AA	Screw,ø2.6×10mm

## PACKING PARTS (Except for U.S.A.)

SPAKA0305AWZZ	J		Packing Add.,Front/Rear
SPAKC1158AWZZ	J		Packing Case [Except for Canada]
SPAKC1159AWZZ	J		Packing Case [For Canada]
SSAKA0007AWZZ	J	AB	Polyethylene Bag,Accessories
SSAKH0038AWZZ	J	AE	Polyethylene Bag,Unit
TLABR1193AWZZ	J	AB	Label,Bar Code,Packing Case

## ACCESSORIES

QANTL0007AWZZ	J	AK	AM/FM Loop Antenna
TCAUS0042AWZZ	J	AB	Caution,Sheet
TCAUZ0075AWZZ	J		Caution,Transport
TINSE0345AWZZ	J	AE	Operation Manual [Except for Canada]
TINSK0112AWZZ	J		Operation Manual [For Canada]
TINSZ0652AWZZ	J	AC	Quick Guide [U.S.A.Only]
TLABZ0593AWZZ	J	AB	Energy Star Label (Set)
TLABZ0885AWZZ	J		Label,Feature
RRMCG0245AWSA	J	AU	Remote Control
GFTAB1030AWSA	J		Battery Lid,Remote Control

## P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A	92LPWB3623MANS	J	—	Main
PWB-B1~9	92LPWB3623DPLS	J	—	Display/LED A/LED B/CD Switch/ Control/Jog/Motor/Switch/ Headphones (Combined Ass'y)
PWB-C	92LPWB3435CDUS	J	—	CD Servo
PWB-D1~3	92LPWB3623PWRS	J	—	Power/Sub Trans/Speaker (Combined Ass'y)
PWB-E	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-F	QPWBF0644AWZZ	J	AD	Tray Switch (PWB Only)
PWB-G	QPWBF0645AWZZ	J	AC	Cam Switch (PWB Only)
PWB-H	92PF567-648	J	—	Tape Mechanism

## OTHER SERVICE PARTS

QCNWN6931AFZZ	J	AN	Extension Flat Cable (33Pin)
UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner Disc

## CP-RW5500

## SPEAKER BOX PARTS

701	GBXS0063AWSA	J		Speaker Box Ass'y
702	CPNLS1029AW01	J		Front Panel Ass'y
703	CWAKP1049AW01	J		Net Frame Ass'y
704	HDECQ0723AWSA	J		Cover,Tweeter
705	LHLDZ8001AWSA	J	AD	Catching Holder
706	PCUSG0022AWZZ	J	AB	Cushion,Leg
707	QCNWN1934AWZZ	J		Speaker Cord Ass'y,Woofer with Capacitor
708	QCNWN1935AWZZ	J		Speaker Cord Ass'y,Sub Woofer
709	PCUSS0051AWZZ	J		Cushion,Speaker Cord
710	QTANA9009AWZZ	J		Speaker Terminal,Woofer
711	QTANA9010AWZZ	J		Speaker Terminal,Sub Woofer
712	TSPC-0828AWZZ	J		Label,Specifications
713	PFLT-0049AWZZ	J		Felt
714	XEBSD30P10000	J	AA	Screw,ø3×10mm
715	XEBSD30P12000	J	AA	Screw,ø3×12mm
716	XEBSD40P16000	J		Screw,ø4×16mm
717	PDUC-0006AWZZ	J		Paper Duct
SP601,602	RSPA10014AW6W	J		Woofer
SP603,604	RSPA00012AW6T	J		Tweeter
SP605,606	RSPA10015AW6W	J		Sub Woofer

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
PACKING PARTS			
	SPAKA0306AWZZ	J	Packing Add.,Top/Bottom, Speaker
	SSAKH0059AWZZ	J	Polyethylene Bag,Speaker
ACCESSORIES			
1	CQNWN1949AW01	J	Speaker Cord Ass'y
1- 1	QCNWN1949AWZZ	J	Speaker Wire for MAIN Terminals
1- 2	QCNWN1950AWZZ	J	Speaker Wire for SUB WOOFER Terminals
1- 3	SSAKH0062AWZZ	J	Polyethylene Bag,Speaker Cord

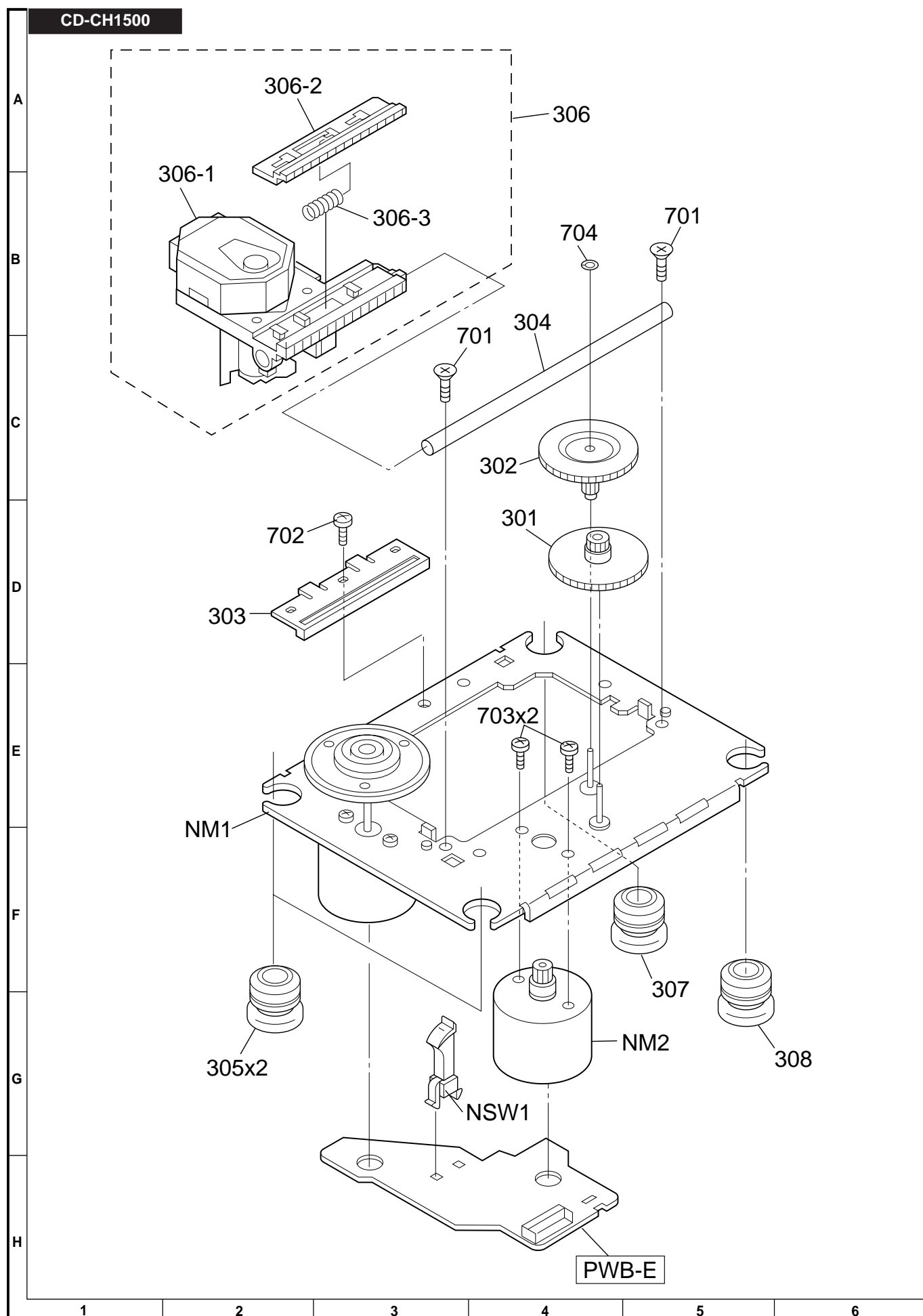


Figure 9 CD MECHANISM EXPLODED VIEW

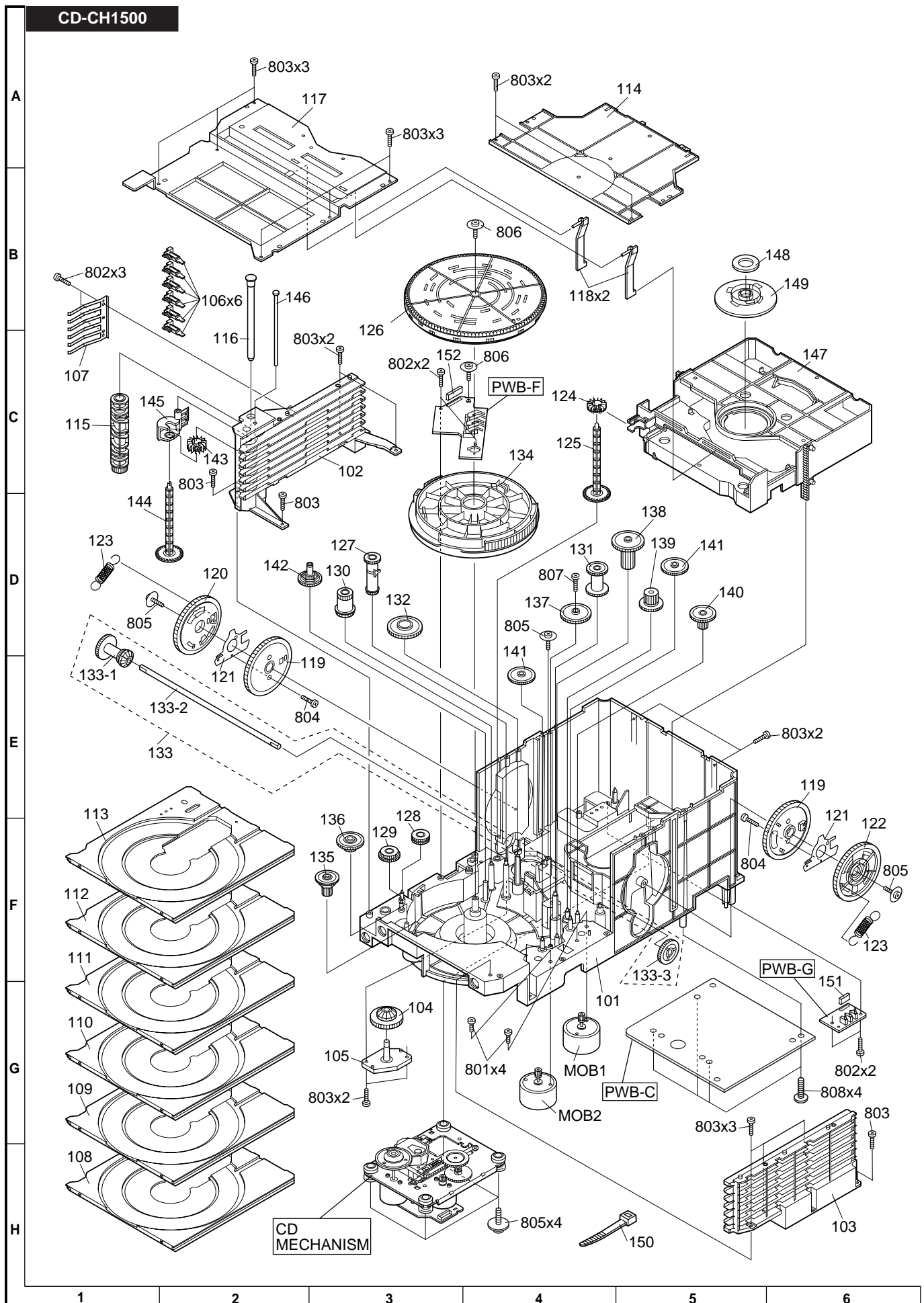
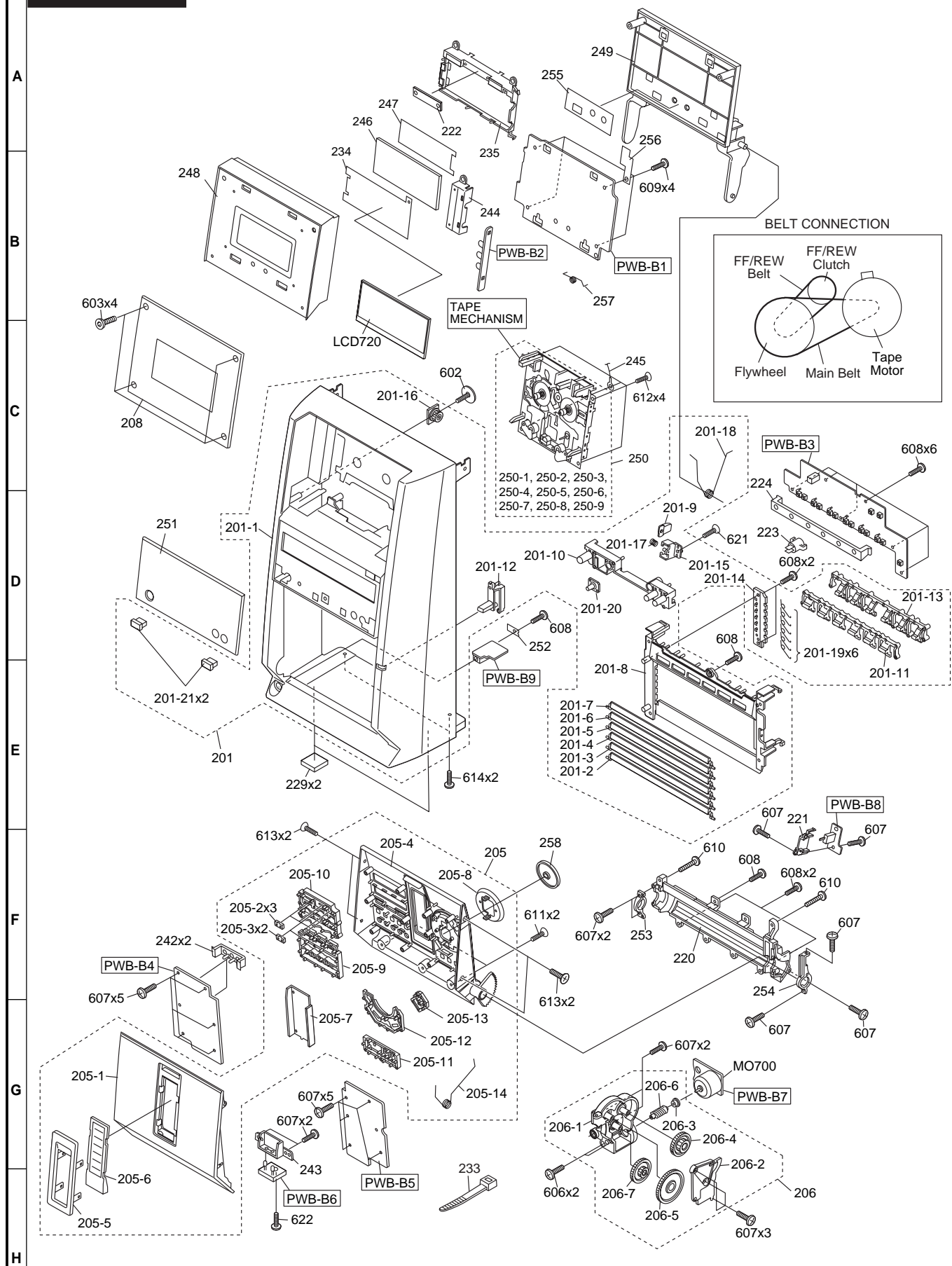


Figure 10 CD CHANGER MECHANISM EXPLODED VIEW



Note: Only the unit and consumable parts are supplied as parts supply for the Tape mechanism.

Figure 11 CABINET EXPLODED VIEW (1/2)



CD-CH1500

A  
B  
C  
D  
E  
F  
G  
H

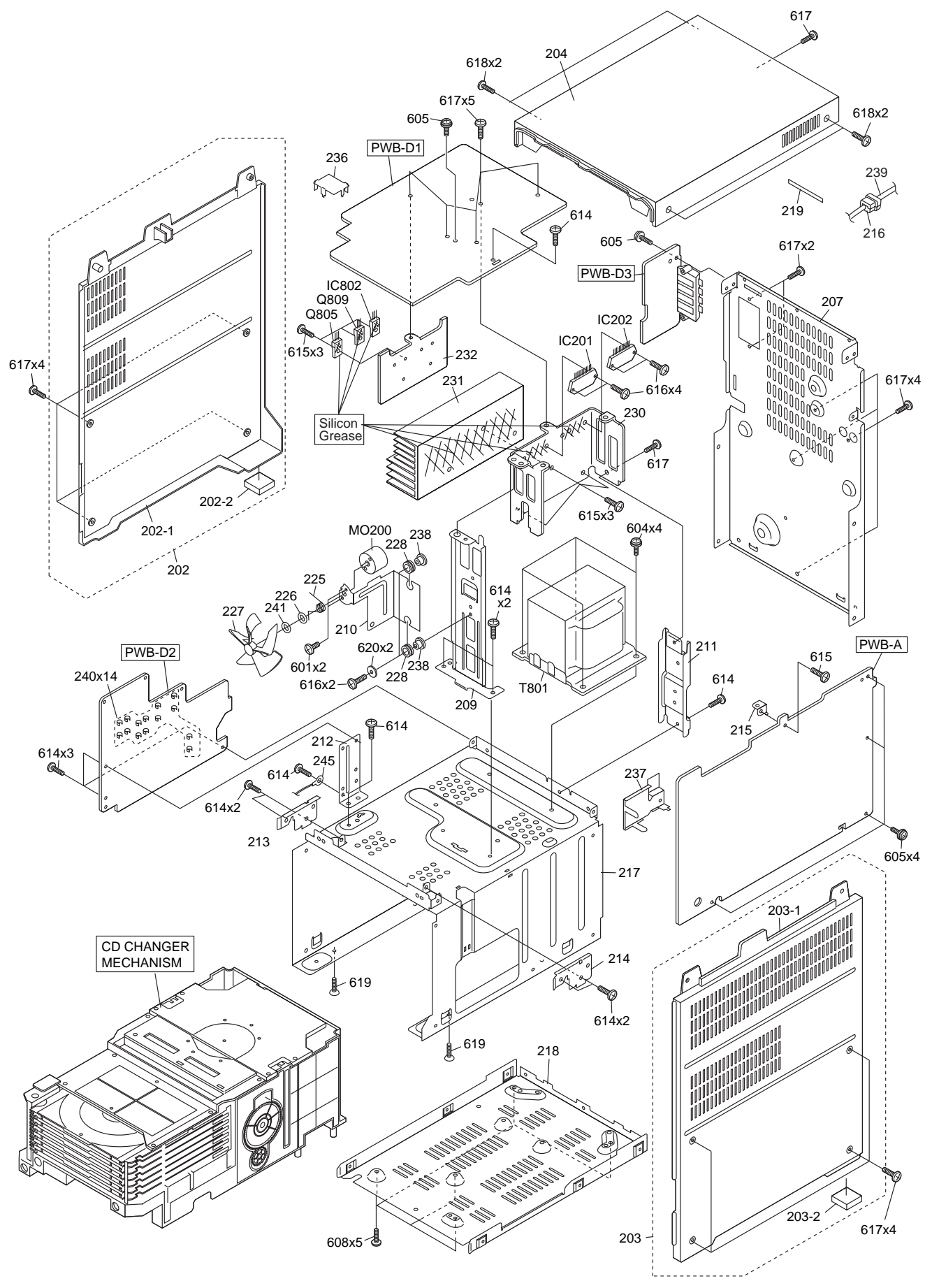


Figure 12 CABINET EXPLODED VIEW (2/2)

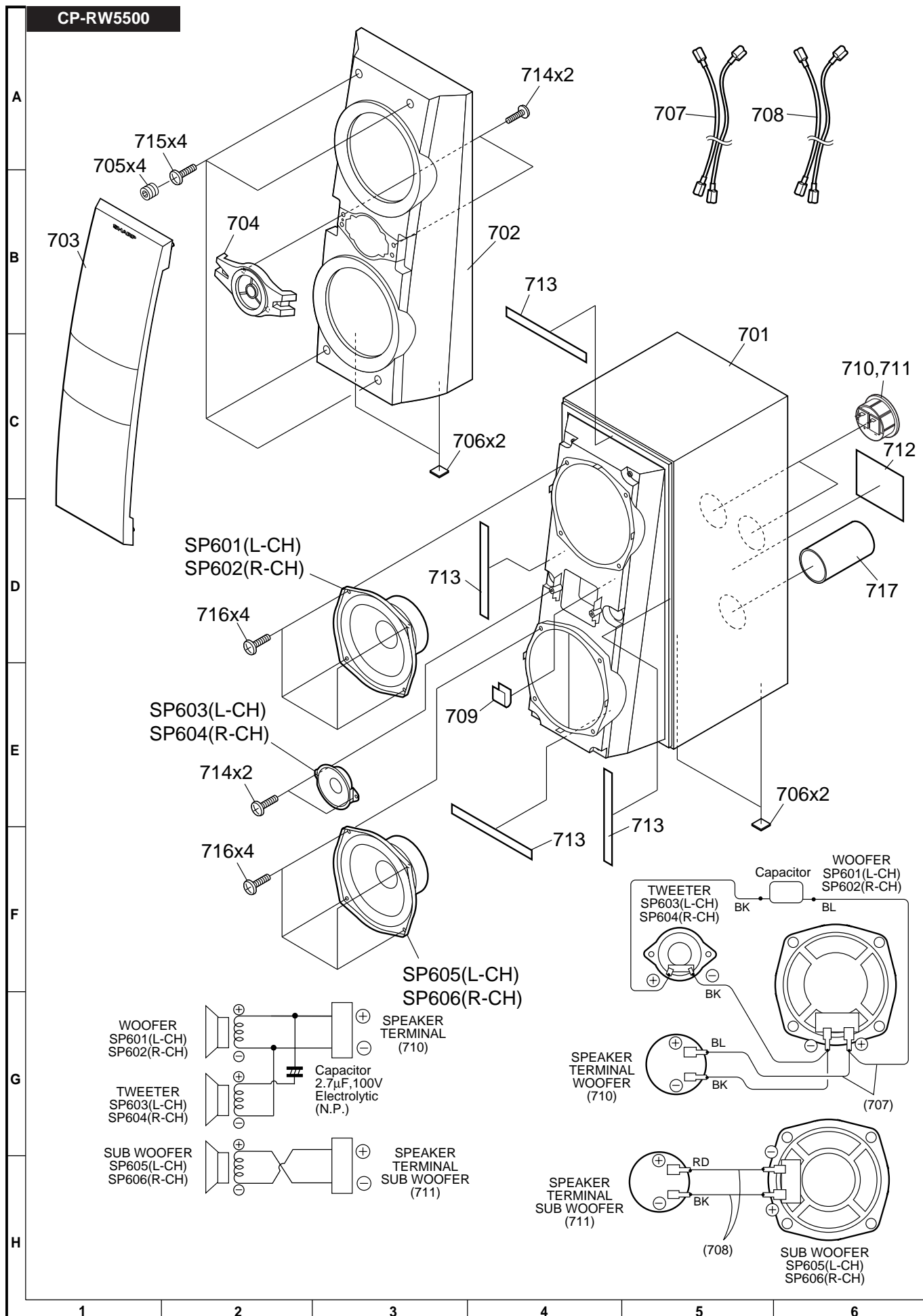
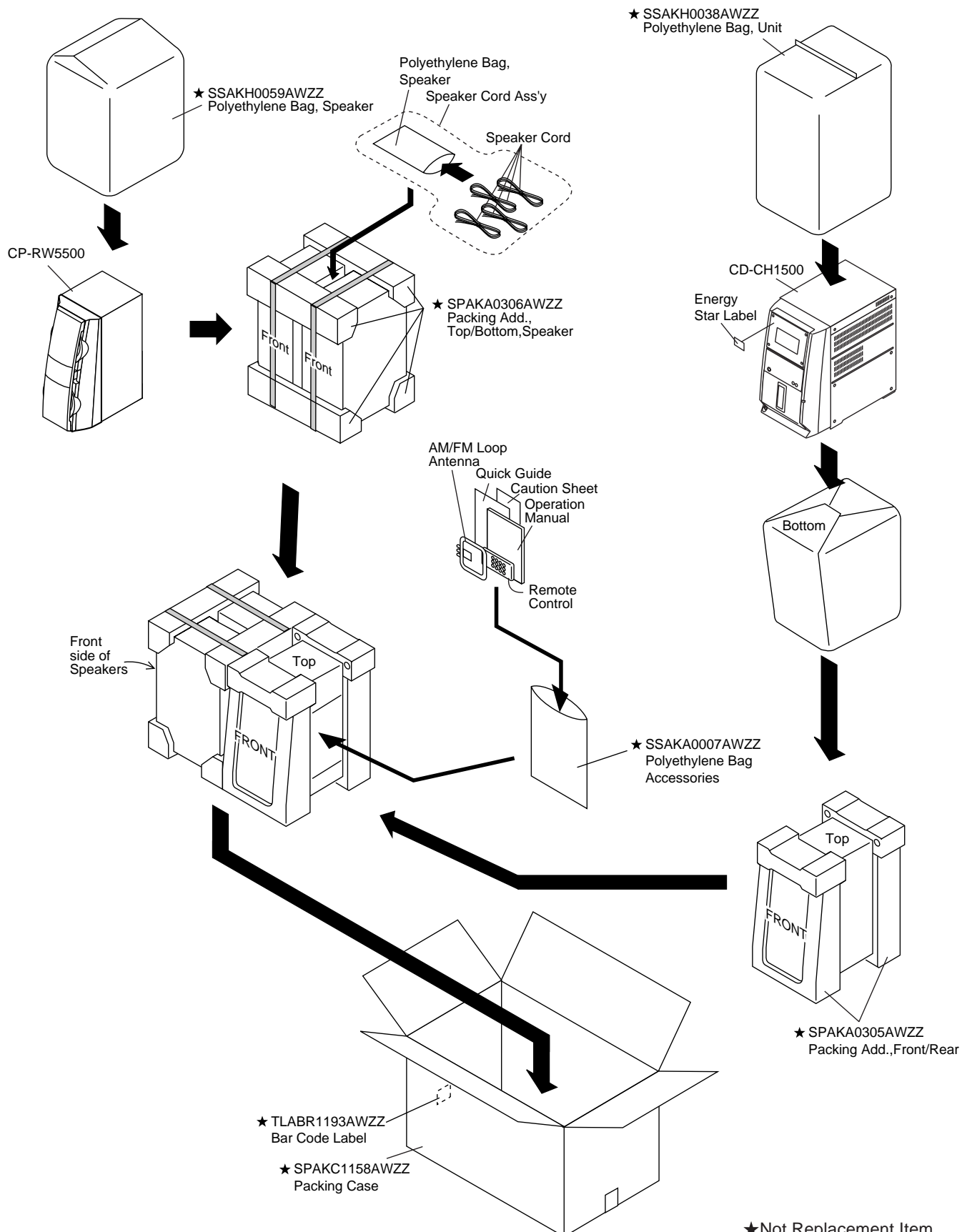


Figure 13 SPEAKER EXPLODED VIEW



# PACKING OF THE SET (FOR U.S.A. ONLY)

Setting position of switches and knobs	
Tape Mechanism	STOP
Cassette Holder	CLOSE
Control Panel	CLOSE



★ Not Replacement Item

CD-CH1500

— M E M O —

— M E M O —

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